

SEQUENCE LISTING

SEQUENCE ID NO: 1

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SEQUENCE ID NO: 2

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SEQUENCE ID NO: 4

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121 Asn Gln Leu Ala Gln Arg Leu Gly Pro Glu Trp Glu Pro Val Val
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SEQUENCE ID NO: 5, PCR primer

5'-TGGAAGCCAGAGACAAGCAG-3'

SEQUENCE ID NO: 6, PCR primer

5'-AGAAATGGAAGCCAGAGACAA-3'

SEQUENCE ID NO: 7, PCR primer

5'-CTTTTGACACCTTCCTCGATTC-3'

SEQUENCE ID NO: 8, PCR primer

5'-CTCAAACACAGGCCTCCGGA-3'

SEQUENCE ID NO: 9, murine Socs2 locus

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 ACCESSION AF292933
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 SOURCE house mouse.
 ORGANISM Mus musculus
 Euteleostomi;
 Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae;
 Mus.
 REFERENCE 1 (bases 1 to 13908)
 AUTHORS Horvat,S. and Medrano,J.F.
 TITLE A 500-kb YAC and BAC contig encompassing the high-growth
 deletion in mouse chromosome 10 and identification of the murine
 Raidd/Cradd gene in the candidate region
 JOURNAL Genomics 54 (1), 159-164 (1998)
 MEDLINE 99026139
 PUBMED 9806843
 REFERENCE 2 (bases 1 to 13908)
 AUTHORS Horvat,S. and Medrano,J.F.
 TITLE Lack of expression of Socs2 causes the high growth phenotype in
 mice
 JOURNAL Unpublished
 REFERENCE 3 (bases 1 to 13908)
 AUTHORS Wong,M.L. and Medrano,J.F.
 TITLE Direct Submission
 JOURNAL Submitted (01-AUG-2000) Department of Animal Science,
 University of California, Davis, One Shields Avenue, Davis, CA 95616, USA
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8341	ggttcacagg	ctaggaatcg	tcaagacagc	ctgatcatgt	gcaggccgga	tgggcacaat
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 11761 agacaactct cactttgaac tccattcttc acttgagaaa gaaggcgtg cccctcgagc
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13261 tgtcagagcc atctctctctg tccccatcca caagtcttgg gaccaaggcc taataaatca
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13801 agcaggtgcc tgggagagga gtggagaggc agacaagatg ttcaagtttg tcaccgggct
13861 cagatttgtc ccagatttgt tccagattaa tttggagctc tgggtctg
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SEQUENCE ID NO: 10, exon 2 probe

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4501 AGTGTCTGCG AGAGACTTTG CCACACCATT CTGCCGGAAT TTGGAGAAAA AGAACCAGCC
4561 GCTTCCAGTC CCCTCCCCCT CCGCCACCAT TTCGGACACC CTGCACACTC TCGTTTTGGG
4621 GTACCCCTGTG ACTTCCAGG

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SEQUENCE ID NO: 11, exon 3 probe

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6929 CTCGCCATTA ACAAATGTAC CGGTACGATC TGGGGACTGC CTTTACCAAC AAGACTAAAA
6989 GATTACTTGG AAGAATATAA ATTCCAGGTA TAAGTATTTC TCTCTCTTTT TCGTTTTTTT
7049 TTAAAAAAA AAAAAACACA TGCCTCATAT AGACTATCTC CGAATGCAGC TAT

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SEQUENCE ID NO: 12, 3' Socs2 probe

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11185 GGAATTCAAG TCTACTTGAA TTAGGTAAAC TGACAGATTT AGGGTCCTTA GGATTAAGTC
11245 TGTGTCTGTT TCTCTTTAGT TCTCTTCAGG ATTTAAAAAC CAAAGCCAGT TCCTAACACC
11305 ACATTTCAAC ACTTTAAAAA AAAAAAAAAA AAAAAAACTT GTTTATTTAA ACAACCGTAG
11365 GCTCCTTACT TGCTAGTTTA TGCTCTATTG GGAAGGAAGA AAGACAGCCC TTCTTTAGCT
11425 TGTTTGTGTC TGAGGGCAAT CCTTGCACCT TCGGTTTGGT CTTCTCATTC TCTTCTGCTG
11485 CCCTGGAAGA TTTTCTCCAG TTTTCCCTCT ATGTGGTTTC AGAGTAAGTC ACCTTACCTC
11545 GCACTCAGCT TAAGGGACAG CTGTTGTTGG AGTCAGCCTC TAAAAGCCCC GTTTGTCCCA
11605 AATGCCTGAC TAGCGGGTCA GCTGAAGCAG TCATTGTGGT CTTCCTACCC ACCCTGTCCT
11665 CAGCTCTGTC CACAAGGGAG GTCTGAGCTG CCAAGTCTGA CGGGGGACTC ACTTCCATAA
11725 ACATTTACTG AGCCATAAAA ATAAACTGCT TTTTATAGAC AACTCTCACT TTGAAGTCCA
11785 TTCTTCACTT GGAGAAGAAG GCGCTGCCC

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SEQUENCE ID NO: 13, HG deletion breakpoint 5' primer

5'-CTGGGCTCATTTTGGAAATG-3'

SEQUENCE ID NO: 14, HG deletion breakpoint 3' primer (I)

5'-TATTTTCTCCCAATAGCTCG-3'

SEQUENCE ID NO: 15, HG deletion breakpoint 3' primer (II)

5'-CTGGCTTCTGAAAACCTACC-3'

SEQUENCE ID NO: 16, HG deletion breakpoint 3' primer (III)

5'-GTAGATCTTGGGAGAGAGA-3'

SEQUENCE ID NO: 17, HG deletion breakpoint 3' primer (IV)

5'-TGGGCTTTCCTTGGGAAAGTT-3'

SEQUENCE ID NO: 18, HG deletion breakpoint 3' primer (V)

5'-AGCTGTCTGGCTGAAACGGAG-3'

SEQUENCE ID NO: 19, HG deletion breakpoint 3' primer (VI)

5'-AACGAAGTATCTTGAGTTAC-3'

SEQUENCE ID NO: 20, Merged Consensus genomic sequences of the high growth deletion in mouse chromosome 10.

The sequence covers a region of approximately 659,000 nucleotide bases of genomic DNA. Six BAC clones from the CITB mouse-BAC library corresponding to the minimal path of the physical map of the HG region (Horvat and Medrano, Genomics 54:159-164, 1998) were sequenced. The 6 BACs are: B520, B308, B546, B11I10, B9L14 and B405 and are assembled consecutively in 13 contigs. The contigs have been ordered and separated be sets of 20 Xs that identify gaps in the sequence.

The approximate location of the *hg* deletion is from nucleotide position 63,724 to 533,100. The breakpoint of the deletion in position 63,724 occurred in intron-2 of the mouse *Socs2/Cish2* gene (Accession # AF292933). The deletion of exon 3 of this gene eliminates the expression of this gene in *hg* mice and appears to be the causative reason of the high growth phenotype.

The deletion breakpoint at position 533,100 was determined because after this position is the sequence of the *Vespr* (viral encoded semaphorin receptor) gene (mRNA seq. Accession # AF190578), which is fully expressed in *hg*.

The deletion encompasses the full-length sequence of the *RAIDD/CRADD* gene (Accession # AJ224738) (from nt 146,837 to 298,188).

DEFINITION test, 659158 bases

ORIGIN

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1 CTTGATGGAG TCGGTTGGGG TTTTTTGTTT GTTTGTTTGT TTGTTTTCTG
51 GAAAGTTGAT AAACCTTAATG AGGACATGGC TTGCAGCGTG GCAGGCACAA
101 CACCTGATGC TAAGGTCCTG ACTAATTCAT TGCTCAGAGG TATTTATTC
151 AGTAACAGGA GCCAATTCCA CGTGCGCAGT TGTTTACAGC ACTGTGCTAT
201 CACAGAGGCG CATGCGCAGT TTGGAGGGAA GTGTCCGGTT GCTGTTTCCT
251 TGCTGTGTAT TGGCTGGGGT AAGCACCATG GCTTTCAGGT CTGTTAAGAG
301 TGACCCAAGC GCATGAGCAT TGGAGACAGC AGTGCCCCGAG CTGTGTCAGT
351 GTTGAAACCA GACTACAACG CAGGAGAAAG GACTCTGAAG TCGACATTCG
401 CTCTAGCTGT CAAGATGATA AAAAAATAAG ACAATAGATG TTGGTAAACT
451 GTCAGCTGAA GAAGTAGAAA TGGCCACCCT AAGGAGAGAA TGGAATGGCC
501 GTGAGCATGG TCCTCAGGCA AAGGAAGTGG AACAGTTGAC CAAAAACCAA
551 GAAGAGGTAG AAGGGAAATC TCAGCAGGAG AAGGAGAGGG AATGGAAAGG
601 AGAAATAGAC AAAATCGTGG ATTTTATAAC TCCCGAGAGG CACCAATTCT
651 GTTAGAAGCC GTCCTGGCCT TTCACTCCGG AAAGGTTTTT TTGTTTTTTC
701 TTTTTTAAAGT TGCCCATCAG GGAATTAGGC CATTAATACT GAATCGGATC
751 CTTGTCTGTC CAGTTGGGTG CTTTATTGTA ATGATGGACA TCTTTATAAA
801 CATCTTAATC TTAATACATA ACTTTTTGGA ATAAACTTAA GACTGACAAA
851 AACAGAATAG TGAACAAAAG AGAAGAAGGT TAGCAATAAT TGACAGTAAT
901 GTGAACCTCT TGCCCAATGG GAGCACTTAG GTTCTCTCTC TTTTTTTTAT
951 TGCATCAAAG AAAGTAAGTC TGATACAAGC TTGTCAGATA TACCAACTTT
1001 GCTCCTAACT TTAAACACT ATTAGTCTTT TTCAAATTTA TACCGAACAA
1051 AGCTATTTAT TTGACGGACA AGTTGTATAT TGACTTATCT GAACAAGCTA
1101 TTTCTATTGA AAAAAATTAT ATTGACTTAT AATAAAAGTT TTACAAGATC
1151 AAGATAAGTT ATGAGCATGA AAGAACAAGG CTTGTAAGTA AAATTAAATA
1201 ATTAAAAAGT GTTTCTGTGA GTCCAGAGTT GACCAATGTG GAACTCTAGA
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1251	AGGCCAAACG	CAGTCCTGTG	TGAGTACTTT	AGCAAATTAG	ACTTTAATGT
1301	ATTGAAAATA	TAGATTAATG	TAGTTCCTGA	ATTATGTCTT	TTTTTGTTTG
1351	TTTGTTTGTT	TTTGTTTTTT	TTTTTCGAGA	CAGGGTTTCT	CTGTGTAGCC
1401	CTGGCTATCC	TGGAACCTAC	TCTGTAGACC	AGGTGGCCCT	TGAACTCAGA
1451	AATCCGCTCG	CCTCTGTCTC	CTGTGTGCTG	GGATTAAAGG	CGTGCGCCAC
1501	CACGCCCGGC	TCCGAATTAT	GTCTTTCATG	TGTTGCTGAT	TTTGAGTTTT
1551	CTAAACAAAT	AGTAACCCAT	CACAGTCTTA	CTTCCTCTGT	ATCTTCCTAT
1601	CTCTTCCATG	GCTGAGACAA	AACTATTACC	TTCTCCTACTA	CCCTTCTATG
1651	AAAAACCACT	TACAGGTTTT	AGTGGCCATT	TACAATTACA	TGTGAGGGAT
1701	GCTACTTTAA	AAGCAGCCCT	AGGAAGAGCC	GGAGAGGCTG	TGTTGCCTTA
1751	ACCTGCGGAA	CACATTCTCG	ACGAAACCGC	CAGAGGGCAC	TGTGACACAG
1801	CATTACAGCT	GAACCGCTTA	CCCTGTGGTT	GTGACTTTGA	AATGCCAGAA
1851	TGGCAGAGAA	TTTGAACATT	GCTACTTGAG	AAAGGGTGGT	TTGATAATGT
1901	CATTGCCGGA	AGTCGTTCTA	CTCGTCTATC	ATTAAGTATT	TATACAACAG
1951	CTGGTTGTGA	GAAGATCTGC	TTTCTAGCTG	GCCAACTCAA	ACATCCTTAA
2001	GATCAGTGCT	ACTTGCTAAA	TATCGGCCGT	GCTACTTATA	TTTTTCTAAT
2051	GACATTCCCA	ACTGTGGATG	TTTTTCACTA	TCATTTTTTT	TAATTAAGTT
2101	TAGGTAGAAA	ACCTTGACTT	ACTCAAAGAT	AACATTGTTA	ACTGTTTTTG
2151	TACTTTCATA	TATAAAAATA	AATCTTTTAT	GTATATTTAA	AGACATCAGA
2201	TTTCTTTTTG	TTAGAAAATA	TGTTTTTTTT	TAAAGATTTT	TCTTTTAATG
2251	TGTATGGATG	CTTTCGTTGC	AGGTGTGTCT	TAGTAACATG	TGGGTGTCTG
2301	GTGCCCTTGT	ATCTCCTGGG	ACTGTAGTTA	CAGACAGCTG	GGAAGTACT
2351	GACATGTGGT	GCTGGGAATT	GAAGTCAGGT	CCCCTGGGAG	AGCAGCCAGT
2401	GCTCTTGACT	ACTGAGCCAT	CTCTCCAGCC	CTTGTAATTT	CTTTTTGTTT
2451	TTAATTTTAA	ATGGTGTGTG	TTGTTTGTCT	CTCGTCTCTC	CACATGTGTC
2501	TGTCTGTGTA	TATGTTGTCT	GTCTGTCTGT	CTCTCCGTGT	GTGTGTGTGT
2551	GTGTGTGTGT	GTGTGTGTGT	TCTGTGTGTG	TCTGTTGGGG	ACTGATCTCA
2601	GGGCTTCTTT	TATACATGTC	AGGCAAGCAC	TGTGCCTCTG	AATTGCCTCC
2651	TCACAAGGGC	TAAGGGTTTT	GTGACTCCTT	CTTTTGGTCC	CACAACTCC
2701	TGCCTTCCTA	AGAAGCTAAC	AACTCTAGTC	CCAGTCAGCA	GAGGTAAGAG
2751	AACCCATTAG	TTAAGACTCT	TGATTTCCAG	GGCCAAGAAG	CCCATCCATC
2801	CACAGTAGAG	TCCAGCAATG	GGAGTCTGTT	GGAGGAGGAT	CACAGGACTG
2851	TAGGAAAGTG	AAGCTGGACC	ATGGGGAGAC	GTCAGCTGAG	GACTTGGTTC
2901	CTGCCAGTAG	GCTTGCTTTT	CATCTTTTGT	GGTTGTTGTT	GTTGTAAACA
2951	TTTATTCAAT	GTATGAAGAG	GGTGTTCAT	TCTCTCTTTC	TACCACATGG
3001	GATCTGGATA	TTGAACTTGG	CCGGCTTGAC	GGCAATCTCT	TATACCTCCT
3051	GAAGTGTTTG	GTAAGTCCCC	GACTCCTGGT	CTGTGTGTGT	ATGTGTGTGT
3101	GTGTGTTTAT	GCATACCCTG	GTGTGGTGTG	AAAGACAGAA	GACAACTTG
3151	GGGAGTTAAG	TTTCAAGGCC	TGAACTCAGG	TCATCAGGCT	TATACAGCAA
3201	GCACTTTTAC	CCATCAACCA	GTTGACGTGC	CCATTGTTAA	CTGCTGTTCC
3251	TCCTCCTCCT	CCCCCTCCCC	TTTCCCTCCTC	GTTTCTTGT	TGTTGTCGTC
3301	TCATCGTCC	TCGTGTTTTT	TGAGATGAGG	TCTCATAGCT	CTAGCAGGCC
3351	TAGAACTTAC	TGTGTAGGCC	AGGCTGGCCT	CTGTTTCCCG	AGTGCTGAGT
3401	TTGAAGGCAT	GTGCCACCAT	GCAGGGCGGT	TAGGCATCTT	CTAGTGTGGT
3451	CATTTGATGA	ATGTCTGTCT	CTCCTACTAA	GCTGTAACCT	TCACAACCTG
3501	GATTGATGAC	CTTATTAAAGT	TATGTGTCTT	GCATGGCTCC	TAGTGCTGGC
3551	ACTGCCTGGC	CTTTTTTACCA	TCCCCACATA	GTTTTGTAAA	AGCAAAGTGC
3601	CTTGGCATGA	AGGATTTTAA	GTAAGGAGTC	CCTGTGGGAC	TCAGGATAGA
3651	AATGTAGCCA	CAGAAGCTCT	GAGACTGAAG	GATTTTGAGA	CAGTTTATTT
3701	GTGTGTTTTT	TTGAACATAG	AAACTGCAGT	TTTAAAGCTG	CTTATTAGAG
3751	TATTTTATAT	CTCTCCTCAA	CTTTACCTGC	CTGCAGCTAA	TCATTAGTA
3801	ACATTAAAGC	TGAAAAAATA	TTCAAATACA	AGACAGCTTC	CATATGTTCT
3851	AGGAGACATC	TTTATCTTTA	ATTCCAACTA	TATTTTTATT	TGTGTGTGTG
3901	TTTGTGTGTG	TATGTGTGTG	TGTGTGTGTG	TGTGTGTGTG	TGTGTGTGTG
3951	GTTCCCATGG	AAGTCAGAAG	TGAGCACCAG	ATTCCCTGGA	GCTGCAGTGC
4001	CAGAAAGCAA	GCCATGCAGG	AGTTGAACTT	GGGTCTCTATG	GAAGAGCAGC
4051	AGGTGCTCTT	ACTGAGCAAT	CTCTCCAACC	CTAATTATAA	ATACTTTTAA
4101	GAAAAGAGCT	GGGCAGTGTT	GACACAGGCC	TTTAGTTCCA	GCATTTGGGA
4151	GGGAGAGGCA	GGTGGATCTC	TTGAGTTCAA	GGCCAGCCTG	GTCTATAGAG
4201	CAAGCCCCAG	GAAACAGAGA	AACATTGTCT	CAAAAACAAC	CAACCAACCA
4251	AGAACAGCCA	GCTTGCCAGC	AGTTATTGCT	TATGTTCTTC	ATGAAAGCCA
4301	TTCTGACTTG	GACCACATGA	AATCACAATG	TAGGAATATT	TGTTTGTTTT

7451	ATCGCAGTGT	GATCTTTCTG	TGAGACGTTG	CTATTCTTGG	GATGGAAGGT
7501	GGGAGAAGGG	GTAGGGGAAC	TTTCAATTAC	CTTGTGAGGG	TGGGAGTCAG
7551	GGCAGTCCAA	GGCTGATAGG	GAGATGCCCA	GTCACTAATG	CCCCTGCTAG
7601	AGCAGGAGGC	AATCATAGTC	AGTTGTGGGT	AATCTGATCC	ATCCCCAATC
7651	TCCATATTTT	TCAGCTCATT	TGTTTCTTTT	CTTTTAAAAA	TCTGGAGATA
7701	AGATGTAGCT	GTCCCTTGCT	ACTTTGTGAC	TTCTTTCTCC	CACTCTTTTC
7751	TAGCCTTCTC	CACACTTCCA	ACCCCTAAC	ACTAGAAAAG	AAAGGACAGG
7801	AGGAAATGGG	ACATGTCGTT	AGACTTCCCT	TGGGACAGTT	TGATCTTTGT
7851	CACTGTTGGG	ATATCTAATT	TCTTCTTTCT	TCTTTGTGCA	TGACTACATA
7901	ACAAGCCACA	ACCAACACCA	AAAATTCAAA	AAACCAACAA	CCCACCCTGC
7951	CTCTCAGGGC	TCTAGCATT	ATGTACCCCT	GAAAAGTCCC	CAGGATTCCA
8001	ACACATACAC	ACTTGCAGAA	ACTATCTGCC	TCTGATAAAA	TCATGCCCCCT
8051	GCTAGAACAC	GAGGCAACTC	ATAGTCAGTT	GTTGTGGGTA	ATCTGACACA
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8151	TCTGTTTTTT	TTTTTAAAGA	AACCAAAATT	CCAAAATTGT	TACTACATAG
8201	GGTTTCTCTG	TGTAGTGCTG	GCTGTCCTAG	AGCTAGCTCT	ATGAAGCAGC
8251	TGTCCTTGAA	CTAAAAGAGA	TCCACCTGCC	TCTGTCTCCA	TAGTGCTGGG
8301	ATTAAAGACA	TGCCTCACCA	CTGCCGACTC	TGTGTGTGTG	TGTGTGTGTG
8351	TGTGTGTGTG	TGTGTGTGTG	TGTGTGTGTG	TGTGATTCAG	TTTTAAGATG
8401	AAGGCTGATT	CAAAATGAAT	GTCAAGGCC	AGATGCCAGG	CTAACCCTCT
8451	GCTCTTAGTT	AGTTTGTGGG	CCCAGGGAAG	AAGTGATACT	TTCTAGCAAA
8501	CACAGTCTCT	AAGTAACAGC	TTCCATGCCA	ATACACTCAC	CAATAGAGGT
8551	TGAGGGGTTT	CAAATGACAA	GGGAAGCTGG	GAAGAGCCAA	GATTGCTGAA
8601	GAAGAAATAG	AAAAAGAAAC	GAGAAGGCTG	AAATCAGAGC	CTCAAGAAAG
8651	AGCCCATATA	TTTACAAGAC	AGGGAAGATG	TCCTAGCAGG	AGGTGTCTGA
8701	GGACTCAGAA	TAAAGGTGAT	GGCCAGAAAGT	TGAAGGACTG	AGCTTCTAGA
8751	CGGGAGTG	GTGGGAGGGG	GGGGGGATAT	AGGCTGGATG	GTTTGAGACC
8801	CAAGTGGAAG	TCAGGCAAGA	CGAGGCTCCC	CTGCAGCTGT	CTGGCATGTC
8851	ATCACTTTTG	CGCATCCTTT	CATCCTGCTG	CACGATAAGC	TGTGGAGACA
8901	AGCTGCCAGC	CCTAGCTCTG	GAATCTGCCT	TTTTGTAAAG	GAGTCCTGCT
8951	TCTTTTCAGG	GGAAAACAGC	TCTTAGAAAA	GAGGATCAGC	TTCCCTATTT
9001	TCTTTTAAAG	AAGAATCTTC	CCTGTTTTTT	TTTTTTTTTTG	TTTTTTTTTTT
9051	TTGTTTGT	TTGTTTTTTT	TAAGCTGTGA	TTATAGCTGG	GTGTAATGCA
9101	GCATGCTATT	GATCCCCAGC	TCTTGGGAGG	CAGAGGCAGG	CAGATCTCTG
9151	TGAGTTCCTG	GTCTACATAG	TGGTCTGCAT	AGTGAGTTCC	AGGACAGCCA
9201	GACCTGTCTT	TTTTTTTTTT	TTTTTTTTTTT	AAAGCACTGT	GGTTTATCCA
9251	ATCAGAAAGG	TAAGGAAGGG	GAGAACGAAA	ATGTATGAAA	ATGTAAGTAA
9301	CCTAGATAAA	AGTGAGCAAG	TAAGCAAGGG	CTGGGTATAG	GGCTCAGTGA
9351	GTGGAGGGCT	TGCCTCAAAA	GCCTGGAGGC	CTGAGTTTGA	TGCTGAACAT
9401	CACATAAGCC	AAATATGGTG	ATCTGGGAAG	AAGAAGGATC	AGCAGTTCAA
9451	GGCCATTCTT	AGCTACATAG	CAAGATCAAA	GCCAGCCACG	TTGTTTGGTC
9501	CTGTTATCGT	TGTTGTTGTC	ATCGTCGTCA	TCTTCTTCTT	CTTCTTCTTC
9551	TTCTTCTTCT	TCTTCTTCTT	CTCCCTCTTC	TTCTCCCTCT	TCTTCTCCCT
9601	CTTCTTCTCC	CTCTTCTTCT	CCCTCTTCTT	CTCCCTCTTC	TTCTCCCTCT
9651	TCTTCTCCCT	CTCCCTCTCC	TCCTTCTCCC	CCTCCTCCCC	CTCCCCCTCT
9701	CCAGGTAAAA	CAGAGATCAG	ACTAAGAGGT	GAAGCTCAGT	TTTAGTTTAC
9751	TCTCTGAGTC	TCAGAGGACC	AAAGGGAACC	CCCGAGGCCT	CAGGGGCAGG
9801	GAGAGCTTGT	TTTTTAAAGA	ATATAGCCAC	CTGGGAAACA	TTTGGGCATC
9851	TGCCTGTGCT	AAGGATTTAC	CCTGGCCTCT	GAGCTCTCCT	AATGCAATAA
9901	CTTTATTAAT	AAAAACATCT	GTGCTGACTT	TGATATTGAT	ACATCAATGT
9951	CGAGTAGCAA	ACTTGAGGTT	TGATGTGAAC	ATCTCTAATT	CTAAGGACCC
10001	AGTTTTTCAA	CCTTCATTCT	TTTAGGAAAG	GCCCACTTCC	CCTGCATCCA
10051	TGTCTAGAGG	ATCTCTACCT	CCTAGCATGG	TTGGTTAGGC	TGAAGTTGCC
10101	ACGGCATACA	GCCGATCCGA	GCAAAGTCCA	GTGTCTTTTT	TTTCCCCATT
10151	AGTTTGTFTA	CTTATTCACT	TTACATCCTA	ATCACAGCCC	CCCAACTCCT
10201	AGCCCCCAT	AGCTTCTTCC	ACTAACCCCC	TCCCCTTATC	CTCTGAGAAT
10251	TAGGGAGACT	CCCCTGGGTG	CCAACCGACC	CACGGTCTAA	TGTCCTAATG
10301	CTGAGCGTGT	AACCTGGGCA	ATGAGAGCCC	TTCTTCAGGT	TTTTGAAAAG
10351	ACAGCTGGGC	CACTGGGCTT	CTTTTCTCTC	TGAGACAGAC	GGGGGAGATA
10401	GGTCAGCAGA	TTTACTCGCG	GTACAAGTCC	TCAGAAGAAA	GCAGGTGTAA
10451	CAGAAGCAGA	TGAAAAGAGA	TTTTTGGGGCT	AGGGAGAGGG	CTCAGTGGGT
10501	GAAGTGCTTG	TCACACAAGG	ATGAGGACCT	GAAGTCAAGT	CCCCAGAACC

10551	AATGTAAAC	TGGACTCAGA	GCCGGGCGTG	GTGGCGCACG	CCTTTAATCC
10601	CAGCACTCGG	GAGGCAGAGG	CAGGTGGATC	TCTGAGTTCG	AGGCCAGCCT
10651	GGTTTACAAA	GTGAGCTCCA	GGGCAGTCAG	GGCTATACAG	AGAAACCCCTG
10701	TCTCGAAAAA	AAAAAAAAAA	AAACAAACAA	ACAAACAAAA	AAACTGGACT
10751	CAGTAATCTA	GTCACTCTCTA	GCGCTAGCGC	TCCTTCAGCC	AGATAGGAGG
10801	TGTGGACCAG	AGAAACCCTG	AAGTCCCCGA	CCTGCTATGC	AGCAGCAGAA
10851	AAAGTCAACA	AAGGACCCTG	GTCTCTAAGA	TGTGGAAGGT	GAGAACCAAC
10901	ACCCGAGGCT	GTCTCTTGAC	CCGCACACAC	TGCACGCTGC	TGCATGCACA
10951	CGTGCGCACG	TGTGTGCGCA	GGCGCTCTCT	CTCTCTCTCT	CTCTCTCTCT
11001	CACACACACA	CACACACACA	CACACACACA	CACACACACA	CACTCACGCA
11051	CGCACGCACG	CACTCATGCA	CTCATGCACG	CTCGCACTTG	AGTGCGAACA
11101	CACACGCACG	AGAGAGAGAG	AGAGAGAGAG	AGAGAGAGAG	AGAGAGAGAG
11151	AGAAGGGTGG	GGTGAGAGAG	AGAGAGAGGT	GGGGTGAGAG	AAGATTCCAG
11201	ATGGCTTCTT	TTTCTTTTTT	TGTCTGTAGG	TCACCAAGTC	TCCCCACCGG
11251	CACTCCCTTT	TGCCTAAGCT	GGTTTGACTC	GGGTTTCTGT	TACATTTTTT
11301	CTTTCCAAGA	GAGAAATCTC	ACTCTTGCGG	TGGCTTCTTT	TAAGGCTGGC
11351	TTTAATTTAC	ACGGTCAAAA	GCTAATTTTG	TTTTTATTGT	TAAAAGTTAA
11401	CTTAATTTTC	GTAAGTGTCC	CCAACATCTC	ATTCAAAATG	GCATAGAACA
11451	AAGTGACCAC	AAATGACTTG	CCTTTCGCCT	AGTAAAAGCA	GCAGATGTTT
11501	AAAATGACTC	GTGCTTTATA	TGTAATACTG	GGCTACATCT	ATCCAAGGCA
11551	GGCCCCAAGC	ATCCTTTATT	TTTTTATTAT	TTACTTATTT	TTATATAGAC
11601	AACTCTAGTC	TAAAGCAGTG	GCTGTGGCCC	CTTAATATAG	TTCTTCATGT
11651	TGCAGTGACC	CCCCCAACCA	TAAGATTATT	TTTGTTGTTA	CTTCATAATT
11701	ACAGTTTTGT	TATTGTTATG	AATCATAATG	TAAATATCTG	ATATGCAGGG
11751	TATCTGGTAT	GTGGAACCCC	TGTGAACCAC	TCAATTGACA	CCTGCCCCCA
11801	AGGGGGTCAG	AACTAAAGGG	CTGAAAACCA	CTTGTTTAAA	TCACGGTTTG
11851	ATTCTTTATC	TCCCTACCCC	TCCGTTACAG	TTACACGGCAT	TTGAACACTT
11901	TCCTTGTATA	ACAAGAAAGG	CATCTCTGGT	AAGAGAAAGA	ATGTGTTTCA
11951	CCCTTTCCAT	TTTTTTTTCT	CTGTTTGTCC	TATATAAAGT	TCCAAGCGCC
12001	TCTTCAAGTT	CACGCTTTGT	CTAAGCACGA	CTGATCTCCA	CAGGTCTGCC
12051	TGTCCCTGTT	GATTTTCCTC	ACGCCAAACT	CTTTGGGCTG	AAAGGAAACC
12101	TGATCTTTGT	GTTTACCCAG	ATACACCCTG	TTTTCAAGGA	CAGCTGTCCG
12151	AGATGACTAA	TAGTCTGGGT	TCTTAGAAGA	GAACCCCAGG	TCTGCTGCAC
12201	TGTTTATGAC	AACAGCGTAG	TTTTTCTTAG	CCTACTCCTT	CCTAGAGAAC
12251	AAACTTCCTG	CTTCTCCTG	GGGAAATCTC	CTTCTTAAC	CAGAAGTTTC
12301	CTAGGTCCCT	GCAATACTCT	AAACTCTTAC	ATCAGGAGCA	GGAGTCATGG
12351	CCTGGTCTCA	AGGACCTCCA	CACGTGTGTC	TCTGCAGGGA	CCACATGACT
12401	TAAACTAATG	CAATGGCAAC	AGGCAAGTTT	ACTATTTCTG	CTGGCTGTGA
12451	ACTTGAGGAT	TTGTTAGGGC	TGGCATTTAT	GCAGCCATTT	ATGGCCACAA
12501	GGGGACAAAT	GACCTTCACA	AGAACAGAGA	AACCAAGTCC	TGAATATTTG
12551	GCTAGAATAT	TATTATTATT	TAAGAATGTA	TTTATTTTAT	TTATATGAGT
12601	ACACTGTAGC	TGTCTTCCTA	TGGGGCATCA	GATCCCATTA	CAGATGGTTG
12651	TGAGCCACCA	TGTGGTTGCT	GGGAATTGAA	CCCAGGACCT	GTAGAAGAGC
12701	AAGCAGTAAG	TGTTCTTACC	TCTGAGCCAT	CACTCCAGCC	CTAGAATATT
12751	ATTATTATTA	TCATTATTAT	TTTGAAATAC	ATTTAAATGT	ATCTTTGTGT
12801	TACAACCAAA	AGATCCTTAG	CTGATGTCAA	AAAGACCATG	GGCAATCAAT
12851	TGCATAAGAG	GAAAATTTGA	TATATTGTGG	TTTCCTTTTT	GAAAGAACAA
12901	GCTCTTAGAG	GCAAATAAAA	ACTTGAAATC	TTTTGGACTA	GCCAACCAGG
12951	AGTGATGTGC	GTGCCAAGGT	GTCCATCTAT	AAAAGAGAGT	AATGTGTAAG
13001	AAACAAGGCT	GGAGCTTCCC	CCCTCCCCCC	TATGTGTGCC	AAGGTGTCCA
13051	TCTATAAAAG	AGAGTAATGT	GTAAGAAACA	CGGCTGGAGC	CTTCCCCCTC
13101	CTCCCTAAAA	ATCCAATAAG	TTGTTGGGAT	GGCAACAATC	TGAGAGATTT
13151	AACCCAGTCG	GCTACTACGA	TCTCTATGGC	AACAATCCAT	TACAATGAGA
13201	CAGCTGTCTT	GATTAGTGAC	TCTGAGACAC	CAGGAAAATC	CTCTGAAAAG
13251	CTGTAATAGG	CCTTTCCAGA	GGAGCAGAAC	CGATAGCATG	TATATCCAAC
13301	TGTAACGGGA	TTCAATTAGG	TGCTGACATG	ACCAAGAGGC	TCAACGGTCC
13351	CACCATGGCC	AGCCTTTGAA	TGAATGAAAC	AACTAATGAA	ACACCTCTGT
13401	AACGAGCCCT	AAAAGCCTCC	AGATGACTGG	TTCTCAACCT	GTGGGTCTCG
13451	ACCCCTTTGG	AGGGTCACGC	ACTAGATGTC	CTGCATATCA	GATGCATTTA
13501	CATTACGATT	CACAGCAGTA	GCAAGATTAC	GGTTGTGAAG	TAGGAATAGG
13551	AGTAATTTTA	TAGTTGGGGG	GGTCACTACA	GCATGAGGGG	CTGTACTGAA
13601	GGGGTACCAC	ATTAGGAAGG	TTGAGAACCA	CTGCTCTAGA	CCCTTACTGG

13651	CGAGGTCTGT	GTTCAAAGGC	TGAGGACGCT	GGAGTCGCCT	GTCCAAGTGG
13701	CCACGCAAAA	CCACAGCTGG	GGAGATGTTC	AATCAGTAAA	GCTCTTGACA
13751	TGGAAGAATA	AGGGGAGTTT	GAACCCATAT	CAAAAAGGCC	AGGTACGGTG
13801	TTGGGCTTTT	GTAATCCAG	CAATAAGAAG	GAAGAGATGA	GCAGATCTCT
13851	GGTGCTCACT	GAACAAGACA	GTTCTGGCAT	AGATTTTGGA	AGTCTTAGGT
13901	AGTCATGAGA	GACCCTGTCT	CAAACAAATA	AGCAAAGTTG	ACACCTACTG
13951	AGGAGGAACA	CACACACTCA	CACATAGACA	TACAAGCACA	CGTGTGTAGG
14001	AGGCATGAAA	GCCATGTGCT	CACAGATAAG	CACTAGCGAA	ACCAGGAATG
14051	TTAAACGAGT	AGGATTATCT	CTTCAAAGGA	GAGAATATAT	AAGCTGTTTT
14101	CTGCCTAGAA	GGCTGGGAGG	GATGTGGTTA	ATAACCCGAT	GACCTTCATT
14151	ATCTGTGTGG	GGCTGAGACC	ACACCAGATC	CTTCCCCACA	CCCTATCATG
14201	AACTTGTTTT	TCTTAGTCAA	TCTATAAAAC	CCATCTTTAT	AGAAGATGTC
14251	ACATGTAGTC	AATCTATAGA	ACCCATCTTC	ACAGAAGATG	CCATGTGTGA
14301	TTCACAGACT	TCCAAGGTAG	TCCATGCCTTA	AGTCTTATTG	TTCACATCGG
14351	ACTGAGTTAA	TGGTCACCAA	GAAATTTTTT	TCAGTGAAGT	GTGCTATGCT
14401	TAAATACCCCT	TGAAATAAAC	TACTCAAGGT	CAGACTCTCA	AAGTTTGAAC
14451	TAACATGAGC	TACTGAGTCG	TGTTGAACTA	GACTTCTTTT	TTGCCTCTGC
14501	AGATCAACAC	TCTCTTGGCC	TTTGTGTTTG	CAGAGGACCA	CCCCGTGTACG
14551	ACATATATGT	GCACCTGCAC	GCGCGCGCGC	GCGCGCGCGC	ACACACACAC
14601	ACACACACAC	ACACACACAC	ACACTTCATA	GCTTCAAGCA	GGGTGCACATG
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14701	TCCTCACTCC	CAGACTCCTG	GATTGTCAGG	GCAGGGGTTT	CTTCCTCAGT
14751	TCAGAGCCAT	CTTCCAGACT	ACTCTGAAAA	CACCTAGGGA	TACATCCAAA
14801	GCTGGGCTTT	ACCACTTTTC	TGGTATCTCA	AAAGCCAATC	AAATTAACCA
14851	TTGCATGAAT	CATCTGAAAA	TTCTATGCAG	GCTCATAGAA	TTTTAGGTCT
14901	GCAATGCCAC	TAATTAGCTA	CACAGGGAAA	TGTATGATCA	AAGTAAAGAT
14951	TTGAGGAATT	TTTTTTTTTG	GTAAATTTT	AAAATAGGTA	TATGAAAACA
15001	TGCGTTTTTC	TTCTCTCTCT	CTCTCTTTT	TTTCCTTATA	AAGGCAAACA
15051	TTTAATTGGG	ACTGGTTTAC	AGTTTCAGAG	GTTCAGTCCA	TTATCATCAT
15101	GGCAGGAAGC	ACGGGGACAT	GCAGGCAGAC	ATGGAGCTAG	AAAACAAGCT
15151	GAAAGTTCTA	CATCTTGATC	TGAAGGCAGC	CAGGAGGAGA	GTCTCTTTGA
15201	CACCAGCCAG	ACTTGAAAAA	AAAAAAAAAA	AAATATATAT	ATATATATAT
15251	AACCTAAAT	CCCTACCACT	GCAGTGCCAC	ACTGCCTCTA	ACAAGGGTAC
15301	ACCTCCTCCA	ATAAAGCCAC	ACATCTTAAT	AGTGCCACTT	CTGTGGGCC
15351	AAGCATATCC	AAATCACCAC	ATGTAACCTT	CCCTCACACC	CATCTCTTTG
15401	TGGTGAAAAA	AACTCAATTC	TTCTCTTTTG	AGCCAGATCC	TGCAGTGCAA
15451	ACTTGGGAGA	TTACTGAGGG	AGAATAAAAA	ATTCTAGACT	TCTCTGGGTG
15501	ACTCAATGAG	CACAAGTATT	GAGATAAAGA	CTGAAAGGAG	AGTTAGGGTG
15551	TGTGGCTTAA	CGGTAGAGTG	CTTGATTGGT	ATGTCTGAGG	CACTGGGTTT
15601	AGTCCTTAAC	ACTACACACA	CTCCTTTTCT	GCTTATGTCT	TGAATATACA
15651	CAATACATTG	TGCTTACCTA	CTGACACCTT	ATGGTGTAAT	AAAACACTAG
15701	GATTTCTTTT	TTTCATTCAA	CTACAACCTC	ACAGCCATTA	GTCTTTTCTA
15751	TCCTCCCCCT	CTCACTAATG	GCCCCAGCCT	TGGGAAGCAA	CAGTGGTTTT
15801	TCAATTTGTA	CCAATCCTTA	AGGTCCTGCT	ATATAAGGAA	GTTTTACCAG
15851	TGCTTAGGTT	TTGGCGATCT	AGTAAACTTT	GGGAGAACAA	ATAAATTTCCA
15901	ACTCCTCTTT	TCTAACTGTA	ACTCCATTGG	CAGAACCAAA	AGAAAAACAT
15951	GTCTTAGATT	TCCCAAAGCA	ATCCTCAAGG	AATGAGAGAC	ATTTTATTTC
16001	AGAGTGTGTT	TTAGGAAGGC	TTTGCAGAAG	AAAACAAGGA	ACATTTTAAG
16051	GTAGCTCACT	GTCATGTGGG	CCCTGGCCCC	ATCCATTTCT	ATGTAAATGA
16101	GTGGATGCCC	AGGGCAGAAT	TCATTGGTGT	GTGCCCCAATG	CCAGGCACAA
16151	CATCTGGCAT	ATGTAACAGG	TGCCCCACCC	TTTTTGCACC	CCCCCATCC
16201	TTTATGTGCT	AGTTAGGGTA	ACTGTTGAGA	TAACTGTCCA	AATGAGAACC
16251	ACTTAACAGG	GTCCTTCAAA	TTTCTTAGTT	ATGTTACAGT	GTAACCTGTG
16301	TCAGCGAGGG	GAACACATCT	GTGATCCACA	CAGTCATTCA	GGGACACAGG
16351	CTCCATCCAG	AAGGTGGCTT	CCTCTTTTCT	TGGAGCTGTG	GACTCCTCTA
16401	CTGGGTCCCTG	TGTATCTGCC	TGGGATGCAA	GGAAGAAAGA	ATATAGAGAA
16451	CAAAGGGTTA	TGTGCTTGGG	GTTCTGGCCA	GCCCTCTGTA	GGCATAATGG
16501	TTTTGTGCAC	TGTGTAAAGG	TTATCCTGGT	GTTATTCAAA	TGCTGATTTT
16551	TCTGCCCTAC	TTTCCTGTTT	CAATCCAGAT	GTGGCTTTGT	TATGTTTATT
16601	CTTAGACGCT	CCTCTCTCAA	GTTTGTCTAA	ACGCAGCTCC	TCATTTCATT
16651	TCTGCCTTGT	CAGTAAAGC	CAACGAGCCA	ATACAGAGCT	TTAGAGAGAA
16701	TAAGGTGGGA	CTTCCGATTC	CAGGAGGAGT	GGAGAAAGAG	ACAAGAAGAG

16751	AGGTCCAGGA	AGCATTGGGA	GAAGTGAGCT	GGAAAAAGAA	ATGACTAAAA
16801	AAAATATCCC	AAGTAAGATG	GGAATATTGT	CTGGGGGAAA	TTCTGAGTAG
16851	CTTGGAGGTT	TAGAATGGAG	TAATAATTGC	TCAATATTTG	GCTGAAGGAA
16901	TTTTAATAAA	TCTTATTCTC	TCTGTGCGGT	GATTTGGGGG	AATTAGCTGG
16951	CTAAGGAATA	ATTGCCACTG	CACTAATTTT	ATGAATCTAT	ATTAATATGG
17001	TGATCATTTA	GCAGTCCTCC	AGTAGGCTCC	TATCCCTTCC	TCTCACAAACC
17051	CCTAGCTCAG	AGCAAAGTTT	TATGGCAAAC	TACCTCTCCA	ACTCCAAGAG
17101	AGCTGCAAGC	TGCCATGTAA	CACCTGCAGA	GAAGGGGCAA	GTTGTAAACA
17151	CAGGGATGCA	GTGGTTGTAG	TCTGTGAGTG	AACCCTAACT	TTTTTTTCTG
17201	AAAGGGAAAT	GGAATGCTTT	GTCACCACAT	TATAGGACTT	ACGAGAAGTA
17251	GTTGGGCATA	GAGGCTTATG	CCTGTGACCT	CTGCACTTCG	GGGACTGAAG
17301	CTCCAGGCCA	TGAATTGTGA	GTAACCTGGA	AGTTCAGCTC	CAGTTTCCTT
17351	CCCTCTTTCT	GGCGGCCTTG	TAGCATCCGA	CAGTTCTGCC	CACCAGCGAC
17401	CCTATGCTAT	CCACATCCAC	AGCTGCGATC	TTGGTGCCCT	GCCCTTGGTG
17451	AGGTTTCTGC	TGAGATCTGT	GCCTGTGTCA	GATCTGCTTC	TCATACAGCA
17501	GCAAACACCG	AGAGAGATGG	TTCCGAGTCT	CTTGTCCCTCA	TGCAGAACCT
17551	ATCTTAGTTT	CTGAGACCTT	CTATAGTTTA	GAACAGAAAG	GTCCTCCACA
17601	GGCTCATGCA	TTGAATTCTT	CAGCTTGTGT	TGTAGAACAG	CTGTTCTCAA
17651	CCTTCCTAAT	GCTGCGACCC	TTCAATACAG	TTCTCATGT	TGTCATTGAT
17701	TCTCCACCTC	CCACCATAAA	ATTACTTTTC	TTGCTACTCT	GTAATCGTAA
17751	TCTTGCTACT	ATTACAAACA	AACTGTAATG	TAAATATATG	TGTTTTCTTA
17801	TGGTTTTAGG	CAACCCCTGT	AAAGGGTTG	TTCAAACCTC	AAAGAAGTTG
17851	AGACCCACAG	GGTGAAAAAC	ACTGCTCTAG	AAGGTGATAT	AAATTTTCAGG
17901	AGATGGGAAC	TGTTGGGAGG	TCACTGGGAG	CACATTCTTT	TCTTTAAAAAG
17951	TCATCTCTTT	TATTTTTTAG	AGGTTATAAT	AATATTATTT	CCCCACTCC
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18051	CTCATGGCCT	TTTTTTTTTT	TTTTTTTTTT	ATGATTGGGG	TGTGTGTGTG
18101	TTTTGTGTGT	GTTCCATAAT	ATACAAATAT	AACTGATTTA	CTCTGTATGT
18151	TACTTGTATA	TGTATCTTTG	CAGGGATGGC	CATTTGGTAA	TAGATCATT
18201	AATTTTTTTT	TCTTTTTAAT	GATGTGCGTT	TCTGTCTGAA	TGTATGTCAT
18251	ATGAGTGAGT	CTGTGGAGGC	CTTGTCATAT	GTTTGTGGAG	GCCAGCAGAG
18301	GGTGTGAGAT	GCCCTGGAGC	TGAAGTGACT	GGTGGTTGTC	AGCCAACAGA
18351	TGTAGGTCCT	TGGAGCTAAC	TGCTGGTCTT	CTAGAAGAGC	AGGAAATCTT
18401	TGTAATTGTT	GAGCGATCTC	TCCAGCCCCA	ACAGAGAACA	TTACTGAGA
18451	GGGCAACAGA	ACCTTGTGTC	TTCTCTTCTT	CCTTTCTTCC	TTTTTATTTT
18501	CCTGCTGTAA	GGGAAGTGGT	TTTGCTCTGC	TGAGAACCCC	TTCCACAAGC
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18601	ACCATAGATC	AAGTCTTCCA	AAACCGGGAG	CCAAAAGAAC	CTCTTTCCCTG
18651	GGCTGAGGAG	ATGGCTCGGT	GGTTAAAGTG	TTTGCTGTGC	AGGCACAAGG
18701	AGGTGAGCTC	CATTCCTGGT	ACCCATATAA	AAGCTGGGCA	CCATGAGGCC
18751	TATCAGTGCC	TCCAGGTCTT	AGGCAGACCC	CAATGGCTTG	CTGGCCGATC
18801	AGTGCAAGTT	AACCAGTGAA	CTCCAGGTTT	AGGGAGAGAA	CCTGTTTCAA
18851	AAAAACAAAG	TGGAAAGAAG	ACACCAGATG	TTCAGCTCTG	GCCTCTACAT
18901	GTGTACACAT	GGACATGTAC	ATGCACAGGC	GAGCAAACCT	ACATAAACAT
18951	TGCATACTAC	ACGCAAGCAC	ACACACACAC	ACACACACAC	ACACACACAC
19001	ACACACACAC	ACACAGAGTT	GGTTTGTTC	GGCATTGTTA	GAGAGATGGA
19051	AGGCAGACTA	ATAAACATAT	ATAGTAGACA	TCTTGCTGAA	GACTCTACTC
19101	TTTGTTGTGG	TCAATCTCTT	TTATTTATCC	AGAAAGGAAC	CTTCGTGTGC
19151	TCTCATTATG	GGTTGATTTT	TCCCGAGGTG	GGATGCCGTC	ATGACCAATC
19201	AGTTACATTT	GGCTTTGTGG	AAAGAGAAAA	AGTCAAGTTT	CAAGCTTAAT
19251	ACTTCTTGTA	TGAATCAGAC	CATTGTGTAA	AGAGAATTCC	TGCTGAACCG
19301	GCTTCTGATC	CAAATGTGAC	AGCCGTCCGA	TGCAGTCAGC	AAACACTCCA
19351	CCTTGAATTA	GGACAAGGAA	CTGTTTGTTC	CCTTCAAGAA	CCCTGTACTG
19401	ATAACGCTGA	CAAGATTGAC	ACACTGGGTT	CCTTGGAAG	TAGAAATTTT
19451	TCTGAGAAAT	GTTCCAGAAA	AAAAAAAAAA	AAGAAAAAAA	AAAAAAAAAA
19501	AAGAAACAAG	AAGATAAAAT	GCTATGCACC	AGAGGCGGGG	TAGATGGTTC
19551	TGTAGGTAAG	AGCAGTTGCT	AAGCAAGCAT	GAGAATCTGA	GTTCAAACCC
19601	CCACTACTCA	CCTAAAAAAC	TGGGCGTGGC	CTTGCAGGTG	CCTGCAAATC
19651	CCAGTGCTGT	TGGGAGCAGA	GCTGGGGGAG	ATATTGCTGA	CACTTGCTGG
19701	TTTCCAGCAT	AGCTCTGAGT	CAGAGGGCCT	GTCTCAGAGG	AACAAGGCAG
19751	ATCAAGATCA	TGCCAAGAGC	AGGACATCTG	ATGACCTCTG	GCCTCCACTG
19801	CTCCTCCCCC	ACAACCTTACA	TACACACATG	CACACATACA	AAGGGAAAAA

19851	GCAACAGTCT	GCAATAAAAT	CTCCTTCCAT	TTTGGAAAGC	ATCACCACAA
19901	AGGCCTTTCA	CCATTTGATT	GATGAGAGTG	GGTGCTCAGG	ATTCTGTTTT
19951	AATAAGCAAG	GCTGTTTCAGG	GATACTTCAG	CTGTGCATTC	CCTTCCAAAG
20001	TCCAGGCGCA	CACAGTCTTG	ATGATGACTG	ATCCAGGGGC	TGGAGACATG
20051	GCTCTGTGAT	TCCAGACGTC	ATGGGTGAGT	ATCTGTATCC	CAGAACCAC
20101	ATAGTGACTC	ACACACACAT	CTGTACCTCC	AGTCTGAGGG	GATCCAATGC
20151	CATTTTCTGG	GCTCTGGGGG	CAGTAGGCAC	ACATTCACTC	AAGCAGGCAA
20201	AATACCCATA	TGCGTAGAAT	AAAATAAGAC	ATTTAAAAGA	TGGCTAATCT
20251	AACCTAACAG	AATTTTCACAT	AGCCCTCTTT	TTTTTTCCAG	TCAGTTGGCT
20301	TCCTAGCTTG	ACGTTATGAC	AAGCAAGTAA	AGGCATAGAT	GTTCCCTTCTT
20351	TAGCTGTAAA	TGCACAGATG	GCCCCCTCTT	TTTAGCTGTG	AATGTGGTTC
20401	TGATAAGAAA	CAAGAGTTAA	AGGAGCCAAC	ATTAGTCTTT	ATCACTCCTC
20451	AGTTACTTTT	ACGCGCCTCA	GAAAATGGGC	TTGTTTTTAA	AATTCAGCAA
20501	CGGCTTATAA	GACTAGGATG	CTTGCCTAGC	TCTTACTCAG	GGACACACGA
20551	CCCTTGAAGA	GGGAGTCAAA	ACTGATGGTA	TGCATTAGAA	AACCTGCCAA
20601	AGTAGGTTTT	AAGGTCTTGA	GCCCTGTTAA	TACAGACAGT	GCGGCGGGAT
20651	GAGAGTGGTG	CCCATGGGCT	CCTGTGTTTC	GATGCTGCAT	TCCCAGTTAT
20701	GGAGCTTTGG	GGAAGGATTA	GGTTGGCTTT	GTTAGGGGAG	GTCTGTCTATA
20751	AGGGGAGAGG	GAGGGACTTG	GAGGTTGCCT	GTTATATTAA	GAATTAATTA
20801	CCGGGCTGGA	GAGATGGCTC	AGCGGTTAAG	AGCACTGACT	GCTCTCTAGA
20851	AGGTCTGAG	TTCAAATCCC	AGCAACCACA	TGGTGGCTCA	CAACCATCCA
20901	AAATGAGCTC	TGACGCCCTC	TTCTGGCATG	TCTGAAGACA	GCTACAGTGT
20951	ACTTACATAT	AATAAATAAA	TTAAAAAATA	AAAAGAAAGA	AAGAAAACGC
21001	CGGGCGGTGG	TGGCGCATGC	CTTTAATCCC	AGCACTTGGG	AGGCAGAGGC
21051	AGGCGGATTT	CTGAGTTCCA	GGCTAGCCTG	GTCTACAAAG	TGAGTTCCAG
21101	GACAGCCAGG	GTTATACAGG	GAAACCCTGT	CTCGAAAGAC	CAAAAAAATA
21151	AAAAAATAAA	AAAAAATAAA	AAAGAATTAA	TTATTCTTAA	TATAAGTGTA
21201	ATCGATGAAT	TAATCTGGTA	GCTGTATTTG	TTTACCTTAT	GCTAGTTCCCT
21251	ACTAACTGTA	CAGAGAAATC	AAGATTTATT	TAAAACTGTA	CCTCAGTAGC
21301	TGAGCAGGAA	AAGATGTACC	TTAAACTTGT	GTGCTAATCT	GGCTACTTCC
21351	CAGCCCCATC	CCAGAATACT	TGCATATTAT	TATTGATCTT	CAGTCCTGTT
21401	CCTCATGGCT	CCAGTTCCTC	TGTTCTACCA	GTTCATCTGA	ATTTCCCTCT
21451	CTTCTCTTTT	TTCTCTGGT	TGGCCAATGT	CCCACCCTCT	TCTCTATTCT
21501	GTTGAGCCAT	TGGGTGATCA	GCATTTCTTG	AGGAGGCAAA	GAATAAATGG
21551	TGAGAACTGT	TTACACAAAC	TTGAGACAGG	AGATTCTTGG	TATAAGCATC
21601	ACAATGACAT	GTCTTGATTG	AAACAGGATA	CTAGGGCAGA	GAAATCAACA
21651	TTTGAATAAC	CCAAGGGTAA	ACTTTACACA	GAGCACAAAA	CATCACCTGA
21701	CATCTGCAGG	GGGTGGGGTG	GGGGAGGGGC	TCTAAGCCAC	CTCAGCGCAG
21751	TTTGAATGT	GAGTTCCCAG	CATTCTTAAA	CCTTCACTCA	GCCATCAGGG
21801	ACTCGAACTT	CAGGATCTGC	AAACAAGTCA	GCTCTTTCTT	TTATAGCTTG
21851	TCTCAGTCCT	AGTGTTTTAG	CCCAGCAGCA	GAAAGGTAAC	CAATACAGGC
21901	AGTAATTCTA	TTCTTACACG	ATTATTTTAA	AGAGTTAGTA	AACCGGGCGT
21951	GGGGGCGCAC	GCCTTTAATC	CCAGCACTCA	GGAGGCAGAG	GCAGGCAGAT
22001	TTCTGAATTC	GAGGCCAGCC	TGGTCTACAG	GGCTATCTCG	AAGAACCAAA
22051	ATAAATAAAT	AAGTAAATA	GTTAGTAATA	AACACAGACA	AGGGTCTGTA
22101	GTAGACAGCC	CTTGCTTATC	ACAGTCCCAA	GACCCCCAGT	GCCATCTGAA
22151	GCTGCAGACT	GTACCAAGCT	TGATAACCAAC	TATACTTGTT	CTTCACTATC
22201	CATCCCTATG	ATAGCTTAAT	TTATAAGTTG	GGCAAAATAA	GGTATTAACT
22251	AAAAGAACTA	GTAACACATA	GAGTGAGTGT	ACTACCCTGT	AATAAAAGTT
22301	ATTTTCAGACT	TATGAATTGG	TTACTTCTAG	AATTTTCCAT	TTAATGTTTT
22351	CGGACTATGA	CTGATTCCAT	GGAACAAACG	CACAGAAACT	AAAACCATAG
22401	ATAAAGGGGC	AACTACAGTA	TATCCAAGGA	AGGTCATTGC	TATATTATTT
22451	ACATGATGGA	GAAATTGGAA	ATGAACTTGA	TTCTTTAAAA	AAAAGGGAGA
22501	CAGTCTACCA	TAAAATATTG	TGTTAAATCC	AATGTTGGTG	AAGTAGTGT
22551	AATAATATAA	AAAAGATTCC	AGTGAAAAAC	ATATCTAGAA	AAGGGCCTGC
22601	GATTATAGAT	AAATATTTGC	CCTGTGAATA	CATGAATGCG	TATCACTTTA
22651	TTTTTATTTA	TTTATTTATT	TATTTTTGAT	TTTTTCGAGAC	AGGGCTTCAC
22701	TGTGAAGCCC	TGGCTGTCCT	GAAACTCACT	CTGTAGACCA	GGCTGGCCTC
22751	GAACCTCAGAA	ATTACCTGCG	CTCTGCCTCC	CGAGTGCTGG	GATTAAAGGC
22801	GTGTGCCACC	ATTCCCATCG	AGTATCACTT	TATAATCAGA	AATAATTATT
22851	TTAAATGATC	TGGAGAGATT	ACATGGCCTC	ACCCTCAACC	CCTCCTCGGC
22901	TTCTCTATGG	TCTGGTTCTT	TCCGAACATG	TTCAAGGGCC	AGGGTATTCCG

22951	TCTCTTAGGC	TTTGGTGATT	AAAAACTTCC	AGCCTGTGGA	CCCCTTGAGA
23001	AAGCCTCTTT	GCAGGAAGAG	GGGAACGGTA	AGGAGTATCA	TAGGAGCGCA
23051	GAACTTTGAT	CTGGGAATCA	TCAGTGTGAG	CAAGAAGACC	ATGAAACATT
23101	ACTGGACAGA	AAGAAAAACC	TCCTGCCCCA	TGTGCTTTCT	CTCTTAATCA
23151	TGAAAATCTC	AAAACGGAGG	CGTTTCCCCA	GCCAGAATCA	CCAGATGATT
23201	ATAATTTGGT	GATTATACAT	TTTCTTAGGA	CTACAGTACA	TCTTCTGGCA
23251	ATGTTGAGAA	AGTGATTGTA	TCCTGACCAG	GCTGGTTGAA	GCATTTCTTT
23301	CCCCTCTACA	GCCTGCCCCAG	AGGTAGCCCA	GTATCCCAAC	ACAAAGTCTC
23351	TCCTTCCTGC	GAGGCCGGGC	AGACTTCTGC	AAGCAGGCTG	TAAAAGGGGC
23401	GGGTTCTTAC	CCCCCACCTT	AGCAGCCCTG	TGACCTGTGC	CTTGCTCACT
23451	CTACCCCTCA	GTACTGTCTT	TCCTGAGGCA	TTGGCTCTGC	CACCATAAGA
23501	AAGCCACCAG	TGTCTAGAAA	TGTATGGCATC	TGATGGCCAG	AGGTTGGGAA
23551	ACCTCTTCTT	GGCTCTGGAT	CTTATTATTA	TTACTTATAA	TGAAAAAATA
23601	GCCAGAGAAA	TAAAGATTAG	CATTTTTTTAA	AAGTATCCTA	GGTAGAGATG
23651	ACACTTCTGG	AATTATACAG	AGGGGAAGAG	GATAAAGACA	ACATGAAATC
23701	CTGAACGTGA	CCTTGAGTGT	AGCTTACAAA	GGACATTCTT	AGTGGTAGCC
23751	GGATACATTT	CTAGTATCAA	GAAAGGGTTT	TATACAAAGA	ACCTTTTGTT
23801	AATAATAGTT	ATTGACCATT	TGGAGAGAGA	CAGAGACAGA	GACAGAGACA
23851	GAGAGCATGC	ATGTTTTCTG	AGAGGGTGGC	TTAAGGGTCT	CTAAAATTTT
23901	ATAAGCATTT	CCTTCTTTCT	CTGTTTTGTT	AAGCGCGAAG	TTAGAAACAT
23951	TTCTACCTCA	TTAGCCTCAA	TTCAAAGACT	CATTTGGGAC	ACCTGCTACT
24001	TAAGCCCAGT	TTTCTATTTT	TAAGACCGCA	ATCTTGGGCA	TTCTTGAAAA
24051	GCATCTGCTT	GTTTATTTTA	GTTCATTTTT	AAGAAAGTAG	CTCCTGGCCA
24101	ATCTGTACTG	CAGTGTCTGA	AGAGATGTAA	CGAAACTAGA	TATAGAAGAC
24151	TGACATGTGT	TGTGTGTGTG	GTATGTGGTG	TATGTGTGGT	GTGTGTGTGT
24201	GTGTGTGTGT	GTGTGTGTGT	GTGTGTGTGT	GTGTGTGTGT	GTAAAAGGGC
24251	AGTGGGTTGA	AAGCCATATT	CTGAATCAAG	GGCAACACCT	GTTAAGTGGA
24301	AACTGGTTAG	CTATAAATAG	AGTGTTAAAC	AGGTAGATCA	GAACACAGTA
24351	ATGGAAGCCT	AGAGTCATCC	CTACCTCTGA	AGCAAGGAAA	CCTGTGCCAC
24401	ACTATGTAGG	TCCTCCCTGT	CGCAGGATTT	TCCTTGTTCCA	ATCATATTAG
24451	GGCAGCAGGA	GGCCTGTGAT	TGGACAGGGA	AAAGAGAGGC	GGAGCTAAGA
24501	GTTGCAAAGA	CAGAGAATGT	CTCAGCGAGA	AAGGGAAGCC	TGAGATAGAA
24551	GTGGACAGGA	ACCAGAGTGG	CTTTAACCGC	CACAGGTAGT	CTGATATCA
24601	CAAGGTGAGA	ATAATTGGGA	TAAAGCTTTC	GTCATTATCA	TTTGGCTCTG
24651	AAATTATTGT	ACTGGCATCT	TGTAAATTGA	GAATTTATTG	ATACATAAAT
24701	CTGATTGGTT	AATTATAAGC	TTCACGAGTT	TTGCTTCTAC	CTGGTAAATG
24751	GGTGTGTGTG	TGGCTGACCA	TGGGGTGGAC	AGTTGTGGTG	TGGGGTTGGT
24801	GTGACAGCAA	AAGGAACCTG	GGAGCTCTGG	CCCCCGCCAG	AGAGTTGGCA
24851	GGTAGAGACA	GAGCCCATGG	GACGGACTGC	CATGGGGCCG	AGAATTGCCA
24901	GCAAACTTGT	GGGACTGTGC	TGGGCCCTTT	AAAAAAAAT	ATTTCCCGCA
24951	GCACCTCCCA	TACTGTGAAT	GTTGAAGAAA	GTGTTACCAT	TTTTGGAAAC
25001	TTCAAGAAAA	TGATTCAATC	ACCTGACTGG	GATTCATGTG	TGCTCACAGA
25051	GATTGGAGAG	CTTATATGAG	TCTGACCGAG	GTCTCTGCA	TGTGTGTTAT
25101	GGTTGCATAG	CCTGGTGTTT	TTGTGGAAT	CCTAACAAAG	GGAACAGGGC
25151	TGTCTCTGAG	TCGTCTGCCT	ACTTGTGGGA	CTCTTATCCT	CCTACCGGAT
25201	GGCCTCATCC	ATCCTTGATG	TGAGAACATG	TGCCTGGTCT	TATCGTAGCT
25251	TGTTATGCCA	TGTTTGGTGG	ATGCCCTGCT	TCGTCCTGCT	CTTTTCTGAG
25301	GGGAGGTGAA	GGGTGATGGA	TCTAGGGAAA	AGGGGAAGTT	GTGGGGAGAG
25351	CCCGATAGGA	GGGGAGGGAG	GAGAAACTGC	AGTTGGAATG	AAACATATCA
25401	GAGAAGAATA	AATAAAAATG	AAAAAAAAGA	GTAATGATT	CCATTTTTTG
25451	ATGTAGAACA	AAAGCAAGAA	GACATGGAAT	GATTAATAAA	TAGGATACAC
25501	TAAACCCAAC	TGCATACTCT	CAAGCAAAC	TCCCCTGAGC	TGGATTCCCA
25551	GATATCTGGG	ACCACTCCAA	AGTCCTCAGC	CCATCAATAC	ATACTTTATG
25601	AGAACACACA	GAAACAGTCA	ATACATTCAA	ATACACAACA	AGGGGTGCCT
25651	ATAGGAGAGT	TAGGGCCAAG	AAAGGATTAA	TGAAACACTT	TTTTCACTGT
25701	GTCTGTGTTC	CCACATAAAT	ACCTGAGGCA	ACCAATTTCG	AAAGAAGTGA
25751	TTTTACTTTG	GTTCATAGTT	TTGACCTTAA	AAAATGGTTT	TTACATTTAT
25801	TTACTTCAAT	GTGTATGTAC	ATACATGTGC	CATAGTACAC	ACATGGATGT
25851	CAGAGGACAA	CTTTCCAGAG	TTCATTCTCT	TCCTCTACCA	CATGGGCCCT
25901	GGGATTCTAA	TATCAGCCTT	GGCAGCAAAC	GAGGCTGTAT	CTCTCCAGCC
25951	CCAGCTCACA	GTTTTGAAGT	CTCAGAAACT	GCAATCATGG	CCCCCTGTCC
26001	CTGGGACCAT	GGTGAGTCAG	TGCATCATGC	AGGAACTGTG	TGGGCCTTGG

26051	CTAGGCAGCA	CAAGAGAAGG	GAGGGAGCTT	GGGCTCCACA	GACACCTTCA
26101	AGGGTACACC	CTTAAGATTT	GTAATATTGC	CAATTAGACA	GGATCTAGAA
26151	TCACTCTGAG	ACAAATCTCT	AGGCACGTTT	GTGAGGGAAC	GTTTGTGAGG
26201	GATCATGTCT	ATAAGGTTAG	CTGAATGTGT	TACATATATA	TGTATGTGTA
26251	TATGTATATT	TATATGAATA	TATGATTGGT	TACATACATA	TGCACCGCAA
26301	AATTTGTTTT	CTTTTTTTGG	GGGGGTTCAA	CTACATTAGT	ATTTATTTAT
26351	TTTTATTGGG	TATTTATTTT	ATTTACATTT	CCAATGCTAT	CCCAAAAGTC
26401	CTCCACACCC	TCCCCACCC	ACCCACTCCC	ACTTCTTGGC	CCTATCGTTC
26451	CCCTGTACTG	AGGCATATAA	AGTTTGCACG	ACTAATGGGC	CTCTCTTTCC
26501	ACTGATGGCT	GACTAGGCCA	TTTTCTGATT	CATATGCAGC	TAGAGACACG
26551	AGCTCCAGCG	GCGTACTGGA	TAGTTCATAT	TGTTGTTCCA	CCTATAGGAT
26601	TACAGATCCC	TTTAGCTCCT	TGGGTACTTT	CTCTAGCTCC	TCCACAAAAT
26651	TCATTTTCTA	TTGAACACTT	GCATCACCAT	AAAATATTTT	TTTTTTTACCT
26701	CAAGCCACTG	TAAGTTAGAG	ACTCTGTGTA	TACTAATGAA	AAGGTAGAAC
26751	CTAAATGTGG	GCAGCACAAT	TCCCTAGGCT	GGTGTCTTGC	ATTAAATGAA
26801	GGAAGCTGGC	CGACCACCAG	GATTAGTGGC	TTTCTGCTTG	CTGGCTGTGT
26851	ATCTAATGGA	ACTAGCTGGT	TCAAACCTCT	GCTTCAATGA	CTTTGCCACC
26901	AGGGTGGGCA	GTGTCCTCAA	ACTTCTAAGC	CAAAACAAAC	CCTTCTTCTC
26951	TTAAGTTGTT	TCTTGTGTGAT	TTTGTGACAG	TGGCCCTGG	TGACCTTTAA
27001	GACCTCTCAC	CAGGTCCCAA	CAGTACTGCA	GGCCATGGTT	CGCCATGGAG
27051	ACTTGGGTTAG	ACAGTCAAGA	TCCAGTGACA	ACACTCCCTA	ACTCCATAAT
27101	GACACTCTAC	AATAACAACC	TAAAGGAAGC	ACCCCAACAA	CAATGAATAG
27151	ACTATAACGT	GTGTGTGTGT	GTGTGTGTGT	GTGTGTGTGT	GTGTGTGTAA
27201	TGTGAAGGCT	CAGTAGTGAG	TTGGGTAGGA	ACAGTTTCAA	ACAGTGCATT
27251	GAAGCTGCTT	CCAATTTTCC	ATTATTATAG	AGTCCCTAAC	TTACAATGGC
27301	TTGACTGAAA	AAAAAAAAC	AACAAAAACA	ACAAAAACA	ACCAACTTTA
27351	TGATAGTTCA	AGTGCTACTG	TTCAATAGAC	ACTGCATTTT	GAATCTTGTT
27401	GTTTCAGATGG	TATGTAATTC	ATCCTGTATT	AGCTTGCCAC	TCCCAACTGT
27451	TCCAAGAAAA	TATGTCTGTT	TCTATATCTA	TATCTAAATG	TGTGTATGTA
27501	TGTATGCATA	TATGTATATG	TATGGTGGGA	TATATATGTG	TGTGTGTGTA
27551	TACACACATC	CTACTAGTTT	GATGCCTCTG	GAACATTGTT	TACTGAGTTG
27601	AAATGTTAAT	TGGCTATCTG	ATCTCTTTCT	CCACACATGC	ATACACACAC
27651	ACACACACAC	ACACACATAC	TTTTTGCCCC	TCTGTCCCTC	TGCTATAAGC
27701	ATGAGACCTC	CTGAGAAGTT	CTGGCACATA	TTCCCTTGCTT	TAGGGAGTGT
27751	TTCTGATTAA	GGACTTGAGC	AGGTTACAGA	TGTTAAACGC	ATACAGCCAA
27801	GTATTGAGAA	TTTGCCTAAT	GAACCTACTT	CTCCTGTTAT	CAGTCAACAA
27851	CTGAATGTAG	AGTTTCTTCT	CTCTTCCTTT	TTTCCCTTCT	TACTTTTTCT
27901	ATCTCCAAGA	AATGGCAGGA	GCCATTCTGC	GTGACTGTGA	TGCAGTGGGG
27951	CGCCATGCTG	ACACTGAGGT	CACAACAGGC	AAGAAAATTT	GCTATCAGTG
28001	TTCCCTTACTG	GATGTTGCTG	TGCAAACTGA	GTTTAAAGCTT	TCTTGGAAG
28051	GGACTCTTCA	GCGAAACTAG	AACAGTATTC	TTAATTTATT	ACCCAATGCA
28101	ATCACATCCT	CTAGCTGTTG	TAATGAGGGT	GACGTCAAAG	TCCTCACAAC
28151	CTGGGGAATG	TCAATGACAT	TTCTACCTTG	TGGACACACT	GTGGACCATC
28201	TGCTCAAATA	ACGACTACCT	TCGTGCTAGA	GAGTCTGGTG	AGCTGAGCAC
28251	TTTATAAGTC	ACCACGACCT	GTGCAGATGC	AGCTTTGAAG	GCGCCCACTT
28301	TCTATAACGC	TCAGACACCC	CCTCATCCCT	TTACAATGTA	AACGGGAAGC
28351	TGTAGCTTTC	TTTATGTGTC	GTAAGCAAGC	ATCACAAACT	GGGTAACCTA
28401	GAAACATAGA	AACGTGTTTT	CTCACAGTTC	CGCCAAAGAC	CAAGAGACTC
28451	GAAGGCACCA	GCAAGACTGG	GTCCTTTCTC	AGGTTTCAGAG	GGAGAATCGG
28501	CTTCTGCTCT	CCCTCAGAGC	TTCTGATGGC	TGCTGTGAGA	TGTGTGATCC
28551	AGGACTTACG	GAGCTTTCTC	CTAGAAATTG	TAGAAATAAA	CACCAAGACT
28601	ACAGTATGGG	CTCTTAGGCA	ACATTTTATC	TGGAAGGAAA	GCAGAGAAGA
28651	GGAAACAGCC	ACAGTGATTG	TGGGAGGTGG	CGGCTGTCTG	TGGAGAGAGA
28701	CCAGGCAAGC	TGCTTGGTTG	CTGGAGTGGT	CTGAGGGTTT	GTTAGTCATG
28751	AGATGTTTCC	TCGTGGCTTA	AGGGGATTTT	CCTGTACAAG	ATACGGATCC
28801	CTGTTTCAGTT	GGCCCTAGAA	GACATTCTGG	CTTTATCTTG	AATCTTTTGT
28851	GATAAGATAG	AGCACCGGGG	GCAAGCGTGT	TTAATACACT	GTTGTTCATG
28901	AGGAGGGAAA	CTCTTGGTGG	GCAACAGGTT	TCCTGGTTTA	AAGGCATAAG
28951	AATCTATGTC	TGTCTTCCAA	CAGAAGTCTC	ATTTCAATTT	CTGTCTCAT
29001	TGGTGCATCA	TTTCGCCTAC	ATCTTCTCCG	TGTTTTCTCT	GCGTACCTTC
29051	ATTCTCTTTT	TCTCGTCTCC	CACCATCCCT	TTCTCTTGAC	CCTGTCTTTG
29101	GACATAGGGC	CAGACCTAAG	CCAGCATGCT	CTCATCTTTT	TTTTTTTTTT

29151	TAAGAATTAC	TTATTTATTT	TTAAAGGTTT	ATTTATTTTA	TTATGTATAT
29201	GAGTAAACTG	TAGCTGTCTT	CAGACACACC	AGAAGAGGGC	ATCAGATTCC
29251	ACTGCAGATG	GTTGTGAGCC	ACCATGTGGT	TGCTGAGAAT	TGAACTCTGG
29301	ACCTCTGGAA	GAGCAGTCAG	TGCTCTTAAC	CACTGAGCCA	TCTCTCCAGC
29351	CCGCATGCTC	TCATCTTGAG	ATCACCCATA	ACTAATAAAT	GATGTCTCCA
29401	AAGATTCTTT	TCCCGAATTA	AGTCACATTC	AGGTTCTGG	GACTAAAGCG
29451	GGCAAGTGAA	CCAACCCACT	ACATAAGGCT	TCATGATCGT	CCAGCTCTAT
29501	ATTCCTCAGTG	GGAAGCTGAG	GTGGAGTCCC	AGTGGTAGCA	CATTGAATCC
29551	TTTGACTGCT	GTTGTGTGGA	GAACATAAAC	CCTTCCCCCA	TGCCCTCCCC
29601	CCACAAACTT	AATATTTTAC	ATCTTTAGAG	AGGTGACTAG	ATTAAATGAA
29651	GTTACTAGGA	GTAGTTCCTT	AATGCAATTG	GACTGGTGTC	TTCATCAGAA
29701	GAGGAAATGA	GGTCAGAGGA	AAAGATGGCT	ATCTAAAAGC	GAACAGAAGC
29751	CTCAGGCATC	GTTGCTGACC	CCAGGTTTCC	ACCTCCAAG	ACCACGATGA
29801	TGCAGATTGC	TGTCGTGTTA	GGCACTCTGT	GGCACTTTTC	TCACGGCACC
29851	CCGTCACGGC	ACCCCGTCAC	GGCACCCCGT	CACGGCACCC	CGTCACGGCA
29901	CCCCATCAAA	TGAACGCACG	TGCTTCAAAC	CCACTGTCTG	CCACAGTTCC
29951	ACAAGGCAGA	GGCCCATCCT	GCCAGGCACT	TTGGGGACAG	CTACCACATT
30001	AGAAGAGAAG	ACCCTCAAGT	AAGATATCCT	GTCTCTTACT	AATGAATGTC
30051	TCAATGATAG	GGCTTGTTAT	TCTGTTTTTG	GGTGAGGGTG	TTAGGTTTCA
30101	GACCCAGGAC	AAACAGCTGA	GGTGTGTATT	TTAGGTATGA	AAGTGTATCT
30151	AGCCTCCAGG	TTCTCCCAAC	ATCCCTCAGT	CCCTACCTGT	TACAGGGCAT
30201	GGCTGGCATG	CCCTGCCCTC	TGCCCTTAAC	TTTCCAACCC	AGGGGCTGGA
30251	CTTCCCCCTC	CCTGAAAGCT	CTTCCCGATA	CAATCCAGAC	ATCTTGGTCT
30301	TTTGGTCCCT	CCTCTCTCTG	TCTCTGTCTC	TGTCTCTGTC	TCTGTCTCTG
30351	TCTCTGTCTC	TCCATCTTCT	CTCTCCCTGC	ATGTATAAGT	TCTTTCTCTC
30401	TTCCCTTCCC	CCCTTCTGTC	TCCTTCTCA	TGGTGTCTTC	CCTGGCCTCA
30451	TTCCCTGGGA	CCAGTGATCC	CACCTAAGAG	CAACTTCCCA	AGAAACCTGC
30501	CTTTATATAC	TTTAATCTGG	TTTGAATTGG	CTCCTTTGAT	CATCGGAGAA
30551	TACTTACGGG	TGGGGGTGG	GGTTGGTATT	TTGAGACAGG	GTCTCTATTG
30601	AGCTAGCTTG	GAACCTACTG	TAGACTAGGC	TGGCTTGGAA	CTCAGAGATC
30651	CACCTGCCTC	AGCCTCCCTG	GTGCTGGGAT	CAAAGCTGTG	ACCCATGCCT
30701	GGCTTCATCT	ATGGTCTTGT	TTTGTTTTGT	TTTGTTTTGT	TTTTTTGACC
30751	AGCAGTATTG	CTTCCCTGGT	ATCATGACAT	CACAGCACTT	CTCTTCATCA
30801	GTGGATTCTT	AGGTGTAGTG	AAATGGCTTA	TGACATCCTA	GAAAACGATT
30851	GGTTGGTTTC	ATGTAGGTGT	TGGTCCCTGA	GTTAATTATG	GGTGTGTGTG
30901	TGAGAGAGAG	AGTGTGGCT	GGTTTTGTGT	CACCTTGACA	CAGACTAGAA
30951	TCATCTGAAA	TTGAGAAAAT	GTCCCCATGA	CATTGAGCTA	TAGGCAAGCC
31001	AGCAAGGCAT	TTTCTTAACT	AGTGATTGAT	AGAGGAGGGT	CCAGCCCATT
31051	GTGGGCAGGG	CCACCCCTGG	ACTTGTGGTC	CTGGGTTCTA	TAAAGCAAGC
31101	TGAGCAAGCC	ATGGGGTACA	AGCCAGTAAG	CAGCACCCCT	CCATCAACTC
31151	CTGCTTCCAG	GTTCCCTGCTC	TATTTGAGTT	CCTTTCCTGA	CTTTCTTCAG
31201	TTACGGATAG	GATGTGGAAG	TGTAAGCCAA	ATAAATGCTT	ATCTCCCCAA
31251	CTAGCTTTTG	GCCATAGTGT	TTTAACTGCA	CTAGAAACTC	TAAGAAGATG
31301	GGAGACCTAC	TGAATGAGAA	CTAGAGCGGG	GCTCTGTCTG	CGGTAGTGTG
31351	TGTATGTGTG	TACATCACGT	GCACAAATGT	AAGGAGGCTA	GAAAGTGACA
31401	TCAGCTGTCT	TGTTTTGAGA	AAGGGTTTCT	CTGTGTAGCT	CTGGTTGTCT
31451	TAGAATTAC	CATATAGGGG	CTGGAGAGAT	GGCTCAGCAG	TTAAGAACAC
31501	TGACTGCTCT	TCCACAGGTC	CTGAGTTCAA	TTCCCAGCAA	CCATATGACT
31551	CACAACCATC	TTTAATGGGA	TCTGATTCCC	TCTTCTGGTG	TGTCTGAAGA
31601	CAGTGACAGT	GTAGTTGTAT	ACATAAAATA	AATAAATCTT	AAAAAAAAAA
31651	AAAGAACTCA	CTGTGTAGAC	CAGGCTGGCC	TCAAACCTGAT	AGAAATGTGT
31701	CTGCCTCTGC	TTCCTGAGTA	CTGGAATGAA	AGGTGTGTGC	CATCACCCT
31751	TGGCTGACAC	TGGGTGTTTT	TCTTAATTAC	TACCTTGATT	TTTGAGACAG
31801	GGTCTCTCAC	CAAACCTGAA	GTTTATCAGT	TCTGATAGAC	TTGGTGGCCA
31851	GCAAGCCCCA	GGGACGCTCC	TGTCTCTACC	TCCCCAGTTC	TGATATTAGT
31901	AGGTATGTGC	TACTATATCT	GGCTTTTAA	ATGTAGGTGT	TGGGCATTAA
31951	ACCCAGTTCC	TCATAGTTAT	GTAGCGAACA	CCACTGACTA	AGGAAACCTC
32001	CCTAGCCCCCT	GTCATCTGTG	TTCTAAAAAG	CTCTTTAGAT	TCAGATTCCG
32051	GTTGACATTT	GACAACCACT	AGAGAGAGGA	GCAAGCTGTC	CAGAGCTGAA
32101	CTGTGATGCC	ACGTGCCCCA	CAGAAGCACA	TGTGTGTGTG	TGTTATTAAC
32151	GTGTTGTTAA	CGTGTTCCTT	CCAGATGAAC	CTGCAGGAAG	CAATCAGTGA
32201	GCCTGGGGTG	GCCATGGAGG	GGCCAAAGAC	ATATACTTCT	GCAAAGAAAG

32251	CCAAGGAAAA	AAAGAACTTT	GCTTCATGGC	CGCCTCTCTT	GCCTGAGTGT
32301	CAGCTGTTTG	ACATCTTTCC	ACTCCTCCGA	GCAACACAGA	AGAACATGGC
32351	TCTCTCAGAA	GACGAACCGG	GCATCCTCCC	AAAACGTGCA	CAAAATGGCA
32401	CATCCTGCAG	TATTTACTGA	TCCCCTGGGA	AATGCTAACC	AGAAATGGG
32451	TTTGCTTCTT	GACTTGTGTC	TTCACAGTTG	AAAACCTTCT	AAAATGGACC
32501	TGTCGCTTTG	CCACACACAG	ACCAGGAAAA	CCCTAAGGGG	CAAGAACCTG
32551	GAAAGATTTT	GGATCTTTAT	GAAGCACTCT	GACTCAAATT	CCGACTTGAT
32601	TTCTGGAGAG	ACGAAGGCTG	GGAGTCACTG	AGTTCTCACT	GACCTCTGAG
32651	CTTTGTGTGT	GATCTCAGGG	GGACATCGTT	TGTGGCACAT	CCCAGTGTGT
32701	ACATCTACGG	CTCATTTCCC	ATTTATAGCT	GACATGTGAA	CGTCAGCTAC
32751	TGGGCTGGCA	GTTGCCGGAA	GTGTGGCACA	TTTTAAAAAA	CACGGAGACA
32801	CAGCTGCTAA	AGTCACTGTT	GTGTCCCTAA	AAACTGAAAT	GGAGTGTCTA
32851	ATGCACTGGA	AGGAAGAAAA	CATCATCCTA	ACAGCCATGG	CCTCTCCAGG
32901	AGCCCCCAGA	TCTCTGGTTC	TTGTTTTGAG	CATTAGCTCT	TTCCATTAGC
32951	CAGTGTAGGC	AGCCCTGACT	CTATGATTGG	GAGAAGCAAC	ACAAAGTGAA
33001	AATAGAGATC	TTCTGTGTGA	AAGTTCCTTT	GAGGTGGGAA	CATTGAAGCA
33051	AGTGAGAGGT	CTTTTTGAGT	GTGGAGCCCC	GTGCTTCTGA	AGGAGTCTGA
33101	CCCACGAAGA	TAGCTCGGTG	TGTAGGAGCT	GGGATGAAAT	TTTACGGACC
33151	CTGATACCTT	TCAAGAAATA	GCTTTATTTT	TCTTCAGAAA	CCCTAAGAAT
33201	AATCCTTTTA	TATACTTATT	TTCTTTCCCA	GATGTACTGC	CCAGATGTGA
33251	TTGCTACGAT	GAAATACTGG	AGTTATAATG	AAATACCGGA	AACACACTCC
33301	TTATAAGGA	AAAGAGATTT	ATTTAGCACC	CAGTTTTGGA	GCTCCAAGGG
33351	CATGGCCCTC	TATAATATGT	TCTGGTGAGG	GTCTTTTTTG	CTGTGTCACA
33401	AGACTGCAGA	TAGTAATAGT	GAGCTGCATT	GCTAAACAAA	GAGTTAGAGA
33451	GAGTAGGACC	CCACTCTGGC	TCTTTATCAC	AATCCTCCCC	AGAGAATTAA
33501	CTTGCAAGAA	ATACTTGTAT	TCCTTTCGAG	GGCATACTAC	CAATAGACCA
33551	ATGGATCTCC	CATGAAGCAA	TATCTCTTCA	AGGTCTACCC	AGCATCATCA
33601	CCTGGGAGT	CAATATTTCA	ATTCATGGAC	CCTTGGTAGA	CAAACCAGTT
33651	CCTAACCCATA	ATACTATGAA	AGAGAAAAACA	GCATAATAAG	GAAGCAGGCA
33701	TATTTGATAT	GACCTCCATT	AGTCCCAGGG	TTTTTTTTTTG	TTTTGTTTTG
33751	TTTTGTTTTG	TTTTGTTTTG	TTGTTTTTTG	TTTTTCGAGA	CAGGGTTTCT
33801	TTGTATAGAC	CTGGCTGTCC	TGGAACCTCAC	TCTGTAGACC	AGGTTGGCCT
33851	CGAACTCAGA	AATCTGCCTG	CCTCTGCCTC	CCGAGTGCTG	GTATTAAAGG
33901	CGTGTGCCAC	CATGCCCCGG	TAGCCCCAGT	TTTTATCCCC	TTGAATATAA
33951	CTGGTCCCTG	GAATGGCCCT	GACCGGTACC	TTCTGGAGAT	ACTGAAGCAT
34001	GCTTCCCAT	CCACGAGTGC	TGGATAGGCT	ATTAAGACTC	AGTAGTGGGG
34051	CTGGAGAGAT	GGCTTAGCAG	TTAAGAGCAC	CGGCTGCTCT	TCCAGAGGTT
34101	TTGAGTTCAA	TTCCCAGCAA	CCACATGGTG	GTTCACAACC	ATCTGCAATG
34151	GGATCCGATG	TCCTCTTCTG	TTGTTTATGA	AGAGAGCAAC	AGTGTACTCA
34201	TACAAAATAA	AAATAAAAAAT	AAAAATAAAA	AGTTCATTAG	AAGCACTGGG
34251	GGTGCATATC	TTTAATTTCA	GCACCTCAGGA	GGCAGAGGCA	GGCAGATCTC
34301	TGTGAGTTTG	AGGCCAGCTT	GGTCTATAAA	GTAAGTTCCA	AGGCAGCTAG
34351	GGCTGTACAT	AGAAACCCTG	TCTAGAAAAA	CAGACAGACA	GACAGACAGA
34401	CAACTCAATA	GAATGGCAGT	GGACTTGACA	GAAACCCCTC	CCTCACGATG
34451	TCTGCCTGAG	CTTCTTGTGC	TTCTGTTTCT	TACTGTGAGA	ATGTCCTGTG
34501	TCGCTGCAGG	TTCAAGGAAA	ACTGGAGAAA	TAAACCCAGA	GTAGACTCAA
34551	CCCCGAAGGG	GAACCCAGAA	TAGAGCTCTC	CCTGCCGACC	TGCAGATCTC
34601	AGCGGGGGAA	AAGGTGATAC	CGTTGTGAGC	CACTGAGCCA	TTTCTCACAC
34651	AGCGTGCTCA	AAATAGAAAC	CCGGTGGAGA	AGGTATCCTT	CCCAGGCAGA
34701	GGCTGAGAAA	TGAGAAGAGA	TGTTAGAAAA	AGGCCAATTA	ATGCTAAGTA
34751	TCGATGGTCG	GTCCCCATGT	TCAAATCCAG	CCAACAGTTA	TTAAATAAGT
34801	TCACCACTAA	GCTTCCTAAT	TAGAATCCAA	ACTGGAATCT	AGTCTGCTGT
34851	GTCTCAAAGT	CCTTTCCGCA	ATGGGCAGAG	AACTTTGGAG	CCTGCGTTTTG
34901	TTAAGCTATG	ACTGTATGTT	AGTGTCTGGG	TAAACACTGT	TCTTATGTTT
34951	TATTTCAAAC	AGTCCTTTCC	ATAATTCTGT	GCTTTTCAATT	GCTTAACAGTA
35001	TCCCCACTTT	TCGTCATAGG	AACGGAAACC	CAGAGTGGGT	AAGTAACTGT
35051	CAGAAGCAGT	AGAGGCTGAT	GACACCCAG	GCTCACACTG	AAAAGCCACA
35101	CCTTTTGGCC	CAGTTTGTAA	AATGCTTGCC	CTACAAGCAT	AAGGGCCTGC
35151	TCTCATCAAA	AGCCATGTGT	GGGGTTGTAT	CTAAATCCA	ATTGCCAGGG
35201	AGGCAGAGGC	AGGGGGATCT	CTGGAGCATT	CTAGCTAACT	CCTCTTGACA
35251	AAACAAAGTT	CCAGACCCAG	TGAGAGGCCC	TGTCTTAAAA	AAAAAAAAGC
35301	TGAACAGAGG	AAGCAGATGT	CTGATACTGA	CCTCTGACCT	CACAGGCACA

35351	CATAACTGTA	CAGGATATTA	CACACATGAA	AGAAAGACGA	GTATAGGATG
35401	AGAAGGAAGA	GGAAGGCAGG	CAAATGGGAG	GGGCATAGCT	TACCCCTGAA
35451	CTTGACCACA	GCGACTTCTG	ATCTTGGTCA	TCAGCTTAAA	AATATCCATG
35501	TGACCCGGTG	AGCTGGCTTG	GCAGGAGGGA	CACTTGCTGC	TGAGTCTGAC
35551	AACCTGAGTG	AGTTTGGTCT	TTGGGATGCG	TGTGGTGGAA	AGAGAGAACCC
35601	AACTCCTTCA	AGTTGTCTTC	TGACCTCCAC	ATCCTTGTAA	GTGTACATGC
35651	AAGCCTGTGA	ATTACATTAT	TATTACAATT	CTGTGTATAT	TAATTAACAC
35701	TGAAAATTAA	TACAGTGGCA	ATTATTCTTT	AACCACTTTC	CCCCCAAAT
35751	AACCACACAA	AAACCTTTTA	ATATTTCAAA	GCTTTAGGCC	TTAGCTGGGC
35801	AGACTCTTTT	TTTTTTTTTT	TTTTTTTTTT	TGGTTTTTCA	AGATAGAGTT
35851	TCTCTGTGTA	TCCTTGGCTG	TCCTGGAACT	CACTTTGTAG	ACCAGGCTGG
35901	CCTTGAAGTC	AGAAATCTGC	CTACCTCTGC	CTCCCAAGTG	CTGAGACTAA
35951	AGGCGTGCAC	CCCCACTGCC	CAGCTAGCTG	GGCAGACTCT	TAAGTCGCTC
36001	ATCTAAGTTA	ACCTGCCCCAT	CTAGCCCCAT	CCAGTCAAGT	CCAGTCAATG
36051	ACCTTCCAGG	CCCATAGTAA	CTTTTATCTT	CTCTCATGTC	TCCTGATGAA
36101	GAGGT'TTTTC	TCTTTCTTCT	CTATCCCAGG	AAGTCACACC	ATCCACTTCC
36151	TGCCCAGCTA	ATTGGCCATG	AGATTTTTTT	TTTATTATTA	TTAAAGTCAA
36201	TCAAAGAATG	CCTTACATAG	GTGAGGAACA	ACAGAGACAC	AATTTTATAC
36251	AGTGTATCTC	CACAATGCCC	CCATCCCCT	CAAAATAAAT	AACTGAGCAA
36301	ATGTTAAAA	CACACACACA	CACACACACA	CACACACACA	CACACCACAC
36351	ATACACACAC	ACACCCACCA	CACATACACA	CACACCACAC	ACACCATATAC
36401	ACACAATGTT	AAACCACACA	CACACCACAC	CACACATACA	CACCACACAC
36451	ACACACCCAC	ACACACACAC	ACAATGGTAG	CTAACCCAG	GATACTTTAT
36501	TTAGTTATAA	ATATAATAAG	TCATGTACTG	TATAGTTTCT	TTTTTTAAAA
36551	GTAATTTCCA	GGGT'TTTCCT	TGGAGAAACA	GTAGGCAAAC	CTGTATTTTA
36601	GTGAGATGCA	CCTGATATTT	GGGTGATGTT	AGGCATGGTA	GTTACAGGCA
36651	GAAAGGACAG	TCCCAAGCAT	TTACAAGTGG	AATGGACGTA	TTCCAGCTG
36701	CTGAGGAAGA	TGCCCTGTCT	CTGCCCTGTC	AACCTGGCTC	ATGGGAATGA
36751	AGAACCGTTT	TCCCCATGGA	CTCTAGTCAG	TCACGTAGCC	ATCCTCTGGA
36801	GAGTCTCCCC	CACCCACCCC	AAAAAGACAG	AAAAGAAAGA	AGGACAGATT
36851	CTCAGATAGC	TCAGGCTAGT	CTTCAACAAG	ATATATAGCT	GAGGATAACC
36901	TTGAATTGAT	ATTCCTACTG	CCTCCTCTTT	CTAAATTCTG	AGATTACAGA
36951	CATGTGCCAC	TGTACCCCTC	GAGTTGATCT	TCTGACCTAG	AATTTATGAT
37001	GTAAGGGTAC	GAAAGGGAAA	CTCCCCATGG	GAAACAGAGT	AGTGCCCCAG
37051	AGTCCACACA	GACATCTTTC	CCCAATCACT	GGAGCCTGAG	ATGCACATGG
37101	CAAAGGGGCA	TAGAGCTGTC	AATCAACTGA	CCTTAAAGCG	AGGAGAATGT
37151	GGGCCAGGTG	GTGGCAGCAC	ATGCCTTTAA	TCCCAGCACT	CAGGAGGCAG
37201	AAGATGAGTT	TGAGGCTAGC	CTGGTCTACA	GAGTGAGGAC	AGCCAGGACT
37251	AGACAGAGAA	ATCCTGTGTC	AAAAAAAAAA	AAAAAAAAAA	AAAAAAAAAG
37301	AAAAAAAAAG	AAAAAAAAAGT	GCTACTTTAA	GCTTAAAGACA	GCTTTGAAGG
37351	GAGGCTCTAT	AGCCAAGGAA	TTCCGGGAAGC	TTCTAAAAGC	TAAAGAGGTA
37401	AAGGGAAGAC	ACTCCACACT	AGCACAGACC	TGTTGACCTT	TCAAGCTAGC
37451	CTAGTGAGGT	CCTGTTTGGA	CTTCTGAGTT	CCAGAACTGT	AAGATTCCAA
37501	ATCTGTGTTG	TTTTGAGTCA	CTGATTGGTT	GGAATTTATG	ATAGTGACCA
37551	CTAACAAACT	CCAACACTCC	CTAAAAGAAA	ATGGTGGTGC	TTTTTCCAGA
37601	AGGAAGGGGG	TGCTGGGTGG	GGAAATGCCA	GAGTCTGTAA	ACTAGACTCT
37651	GGGCATCTTG	TTAGGTATTT	GCTGTGGGGA	GAAGAAATCT	GCCTGAGTGC
37701	TCATCTATAG	TCCTGTGTAT	CGGGTCCTCA	GGGCTCACTG	TGCCCTTCAG
37751	CAAGAGCAGA	AAAGCCTGCA	TGTACTGCCC	AGCCCGGACA	CCTGCTTCCT
37801	TCCCTCACTG	CTGTTTACCA	CCAACAAGTT	ACTCAATCTT	CGTAGGCTTC
37851	GGGAAGATGA	TGATACTCAT	CAGATGGGTT	TTATGAAGAT	TAAAGATGAA
37901	TACATTAATA	AAAAAAAAACT	TGGCCGCACT	GCTGGCACAT	AGGGTACACT
37951	TAAGCTACTA	AGTAATTCTT	GGGACATTAG	GTAATATAGT	ATAATTCTGC
38001	CTTGGTGCCA	CGACTGCTTG	GGTATGAAAG	TTACCTTTGC	CACCTGGAAT
38051	GTCTGTGTGA	GCAGTGATTA	ATGATCTCTT	AGGCCGTTTC	ATTCTTATGC
38101	GAAACGCAAT	GCTACGGGTA	TTACCTCATC	GAGAGGTGAG	GAGGAGTGGG
38151	GTCAGCATGT	TTAACTCAGC	AGCTACTGTT	TGATGTATAT	GATCCATGCC
38201	ATCCCCACCA	TCAGCTGTCC	ACCTTTGTCC	AAGTTGCCCT	CCCTCCCTCC
38251	CTCTGGATGG	TTGATACGTA	AGCAAAGCAT	CCCAGGAGGG	TGGCATCTCA
38301	CAGGATCACC	AAGACCTTCT	CATGTGGGAG	GAACCATGGT	TGCCACACCG
38351	TAGGGGAGCA	ATATTATCTT	TCTTCCAATC	AGGAAGCAAG	ACACGGCAGT
38401	CCTCTGGCAA	GCTGCGTACT	TAGCACACGA	GAAACGAGGG	CAGTAGGAAA

38451	TTCAGTGTCC	AACGCACACC	TCACTCTGTG	GGACAGGGAT	CCCTACAGAC
38501	TGCAGGGTCT	TGCTTTCCTC	TCCCCTGCAG	TCTGCAGGAG	TGTAGGGTTG
38551	ACCTGTTGTT	GTTTTTCACAC	TTGATAACAA	GGTGAGAGAA	CATTAGGTTA
38601	AGGAGCCTGG	GGTTTTCCCTG	TTGAGAGTAA	TCCTTTCAGC	AATACCAAGA
38651	ACTCTCACTT	GAGAGATAAC	AACAGGACCT	ATGACAGGCC	ATCTGTAAAC
38701	AATCGTTTGA	TGGCGATAGC	TGATTTAATC	AGAACGTTCT	GCTTCTCCCC
38751	CACGTGAACC	CGCACAGAGA	GCGCGCCAAT	CCAGCTGCAA	GAAAATATTT
38801	GTTTAACTTT	GCCACATTTA	TTTACTCGTT	GGGACTGTTT	AACCTGATTG
38851	GACGGAGCAG	TTGGAAAGAG	CGAAAATACC	CCAGGCCTTC	TATGTCTCTG
38901	ATAACCTGGC	GACATCTGCC	TCTCAGCCTG	TTTGTGTTGT	GTTTCTCAAG
38951	TCCTTTGCCC	TCATCCTCCT	AGTCAGAGAT	TTGGCCTCTT	TCTGCACCAG
39001	GCTTTGGGGA	CAGGAGGGTA	GAATCTGTCC	CTGCCTAGCC	TTGCAAATGA
39051	TTTTAAAATA	TGATGCTTAC	CCTACAAAGT	CTATTGAGAG	ATGTGTCTGT
39101	GCAAGGCATT	TCTGTGAAG	TGCTATGTAT	CATAGGAAAA	CATGGGTAA
39151	GTCATAGGAA	ATCCCCAGTG	TCATTAAGAC	CCACACTAGA	CGCACAAATA
39201	CTTACAGGGC	ACATAGAAAC	TCCAGGAGGT	CTGTAGCTAG	GCTCTCAGGA
39251	AGGTTTTTGAA	GAGGTGTTAT	ATTGAGGACA	GGCTCCAGGG	TGGGGGTGGG
39301	GTTTAAAGTC	TGTGAGTGAG	CTTTGGCAAG	ATGGCTCCGT	AGGTAAAAGT
39351	GCTTCTGCTA	AGACTGATGA	CTGAGTTGGA	TCCCGGAATC	CATGTGGTGG
39401	AAGGAGAGCA	CTAACTTGTC	CTCTGGCCCC	CACATGGGCA	CCAGGGTACT
39451	TGAGTGTACA	CCCCATGTCC	CCTACAGAAA	GAAAGTCAAT	GTAATTTAAA
39501	AAAAAAAAAA	ACTATTTAAG	GTGAGAGCAG	AGGAAGAGCT	CAATGAAGAG
39551	GTGGCTGTAG	CTGCAGCTGG	TTTTTCTGAG	TTGGGGAGGA	TTAAAAATAT
39601	AGACAGCCCT	TCAGCTCACA	TCAGCTGATT	CAACCAACCG	AAGCTTAAAA
39651	GCACTCAGAA	CCAAACTGCC	CCTGCGCAGA	ACACATCACA	CACTTTTACA
39701	AATAATTGTT	TTTAAAGGTT	TTGTTTTTGT	TTTTACAAGT	ATGTGTTAGG
39751	ACCTAGGTAA	ACTATTAAGG	CCTAAATGAA	ATAATAAGGC	CTGGGTAAGT
39801	GTTAAGGCCT	AGGTGACTGA	TACCTGAATA	ACCTGCCATT	GTAAGGAAAC
39851	TTTCCACAT	GTTTCTGCTG	TTACTAGGAA	ACTCTAATGC	CAAGATGGTC
39901	TTACACTCT	GTTATGTACT	GTGCTCTTGA	AAACCAATCA	CGACAGAAGT
39951	CAGTAGAACT	GTTTTGTATA	GTTACCTACA	AATAAGCTTG	GACCCGACCA
40001	ACCACCCAGG	AGCCCTTCCT	GCACCTATGT	ATAAGCTGCC	CCTGGGAAGG
40051	ACCCCAACAT	AAGAGAGACA	CCTGTACCAG	AAGAAGAAAC	GTTTGGAAT
40101	AAGACTTCCA	TTTTGAGTAG	TGGTCTAAGT	TCCCAAGTTT	AAGTTCCCAA
40151	GACCTCCCTG	GGAAGTGACA	TCCATTTTGG	CAGAAAGAGA	TGTGTACATG
40201	GGTAAGTGAC	ATCCTGGTTG	GCAAGTTCAG	ACATGAATGT	TAGACAAGTT
40251	CCATCCTGAC	AGACAAGTTA	GAACATGAAT	ATTAGACAAG	GCAAGTCCCC
40301	TGCCACAGTT	GAATATCCCA	GTCAGTGGGA	GCGGGATTAA	TGCACAACATA
40351	AGACATGTTT	CTAAGGAAAC	CCCTATCCCT	AAATGCTGAT	TGGTGGAAATA
40401	ACTTGGCACA	GATGTTTTGTG	GAATTTGGGG	TTAAAAAACC	CTGTAAAGATC
40451	TGGACCATGG	CCCCGGTTGA	CAGTCCCTGG	GGTGTATGCT	CAATTAACATA
40501	TCCCTGTGTG	ACTGAGATCA	TAGTCACGTG	GTTTGTGAGG	CGGTTCCTGG
40551	ACCCTAACAT	ATGTATTAAT	CATATACAGC	AGTGGTGCCA	TTATGATCTT
40601	TGCATGCATA	AAGACGCAAT	GTCTTTTTTTT	TTTTTTTTTTT	TGGGGGGTTT
40651	TTGGTTTTTTC	GAGACAGGGT	TTCTCTGTAT	AGCCCTGGCT	GTCCCTGGAGC
40701	TCACCTTGTA	GACCAGGCTG	GCCTCGAACT	CAGAAATCCG	CCTGCCTCTG
40751	CCTCCCGAGG	ACGCAAGTCT	TTTAATCATG	GTCGTCTCTC	TGCTTTTCTC
40801	CCTTGCTTTC	AATGTCTTTT	TCTTTATTTT	TTATGACCCA	GTGAGTTTCT
40851	GTTAGGGTGT	TGTAGGAGTG	GGGGTGGGAG	TCATTTACAG	GGCTGTGTGC
40901	ATCTCACAGG	TGACTACATC	ACTGAAGAAA	ATGCTTCTCC	CTCCCTCATG
40951	ACTCTCACAA	CCTATGATAG	ACTTCGAAC	AAAACGGATG	CCAGCAGGTT
41001	CAATCTTGTA	ACATCTTGTT	CTGATGACCA	TAGCTGCTGT	GAGTTCAACA
41051	GTGTAACAGC	CAAGTTGTGT	CCAGAGGTCA	GTGGCTTCCC	ATTTCTCTCAG
41101	GTTCTGACAT	TCTTCCCGTC	CCTTCTTCTG	TGATAGTCCC	TGAGTCTTGG
41151	AAGGGGTGGT	ATAGATGTCC	CACCTACGGT	TGTACAGTCA	ATGGTCGTTT
41201	ACCCTCATTA	CTTTGACTTA	TGAGTCTTGA	GGGCACGGCT	GATGACTGCA
41251	AAGAGAAGCA	TCCATGTAGC	TGGTGTCTGA	GTCTCATGAT	CTGAGTTCCA
41301	TCACCGTCTA	CCTGAGGAGG	AGGTGGATGG	AAAAAACTGA	CAACTCAAGC
41351	TTGCTTTTGT	GACATCCACA	CATCTACTGT	AGTTCCTAGA	TGGACAGACA
41401	GACATACACA	CATACACAGA	GACAGAGACA	CACAGACATA	CAGACACACA
41451	CACAGACACA	CACATACAAA	CATACACAAA	GAGAGACAGA	GACACACAGA
41501	GTCAGAGAGA	CAGAGAAAAG	GAGAGAGAAA	TATGAAAAAG	TTCTGTTTCC

41551	TGGTCCCTAG	GGAAGAAAGG	GGCTGCAGGC	TACGTACGTT	CAATGACTGT
41601	TCTAGTTTGG	GAATCTTAAG	CAACTCCCCA	AGGCCATATG	TTGACTTGGT
41651	CCCAAGACTG	AAGCATTATC	AGGTTGTAGA	AACTTTTAGA	AGTTGGGCCT
41701	ACTGGGAGGA	AGTTAATTCA	TTAGTGAATG	TGCCTTCAAA	GGTGATATCA
41751	ACAACCCGAC	ACCTCTCCTT	TCTTTACTCT	CTGGTTGTCA	CCAGGTGAGG
41801	AGTTTTCCTT	TGTCACACAG	TCACCATGGC	TCACAGACTG	AGGGCTCTGA
41851	AACTGTGATT	ATCAAGGTCA	TTATTGCTAC	TATTTTGTTA	CAACAACAGA
41901	AAGCTAACAC	AATGACCGGT	GATCAATCAT	GTCTTTTAAT	AAAAGTACAT
41951	CTAGTACCTC	GGCGACAGGG	TTGGCAGAAC	CTCTGGAGTG	AAGTACATTC
42001	ACCCTTCAGA	AGACTCGCAT	ATCACAAACC	CATAGAGCAG	TGGGTGTTGT
42051	AGTTAATATT	TCATCTCAAT	CAGGGGGTTC	CTACCCACC	TTTGACCAC
42101	CGGTTCCAG	ATAAAAGACA	CAAAACTTTT	ATACTTATAA	TAAAGCTTTT
42151	AAGTACTAAA	GATGGACAGA	TATCTACCCC	CTAAGCTATT	CAAATTTATT
42201	TCCCCATCAA	TAATTCCAAG	TTGTAAGTTT	CCATTTTTCA	TCTGGGCTGC
42251	TCTGAAGTCC	AAATGGCCAG	CCCTCAGGGC	CAAGTTTTCA	TGATTCGCCC
42301	ACCCCATGGT	GTCTTTTCCT	TTCTCTAACT	TCTCTCTCTC	TCCCTCCTCC
42351	TGGTTCCTCT	CCAATCCCAA	GCCTGGGAAC	AGAAATTGCC	CATCTCTCTT
42401	CTGCCCAGCT	ATAGGCTGTA	GGCATCTTTA	TTCAACCAATC	AGGGATAACT
42451	TGGGGGGGGG	GAGGGGAGGA	TACAATAGTA	TCACTAGGGT	TTATGTGAGA
42501	ATCTTCTCAT	CCAGGGCCAG	TATTTAGCAT	TACAACAGCC	CAAACCTCAA
42551	CAAGTGTTC	TCAGCTTTCC	TAACACTACA	GTACTTTACT	ACAGTTCCTC
42601	ATGTAGTGGT	GACCCCGACC	ATAAAATTAT	TTTAATTGCT	ACTTTGTAAC
42651	TGTAATTCTA	CTATGGTGAT	GAATTGTAAT	GTAAACATCT	GTGTTTTCTG
42701	ATAGTCTTGG	TCACCCCTGT	GGAAGCGCCT	TTCAACCTCC	AAAGGAGTCT
42751	TGACCCATAG	GTTGAGAATT	GCTGACACAG	GGGCTTCCTG	TAAGGGGACC
42801	CCCTTCTTTG	GATGCCCTCA	ACTGGCTGTG	CATTTGTATA	CTGTATAACG
42851	AACCGCACAG	TGTTAAGTCA	AAATTGCACG	TCAGTGTGGG	CCAGGCTCCC
42901	GAGACCCACT	GAAGTTCACT	AAGTTCATTA	GCCAAAACGA	AATTGGTGTG
42951	TGACTTTCCA	AGAAATCAGG	AGAAAGATAA	CAGCTGGATT	TCCCCAGAGG
43001	CAGCTTCAGT	TGGCAGGATA	ACAGTGCCCT	TTCTGCCTTA	ATCCTTTGTC
43051	CAAAC TAGGT	AACCTGGAGT	GACCCAACAT	TAAACATATA	TTTTTCTATT
43101	CTTGCACTCT	CCAGCTTGAT	GCCTTTACCA	GGAGAGCAGC	CCGACACAAC
43151	AAAGTCACCT	TCTGTCCCTT	ATTTTGTGCT	TACTTTAGAT	CCCTTAACCT
43201	ATAGAACAGT	GGTTCTCAAC	CTGGGGGTG	CATCCCTTTT	GGGGGTCAAA
43251	TATTCCTTTT	ACAGGGGTCT	CCTAAGACCA	TCAGAAAACA	AAGCTATTTA
43301	CATTACAGTT	CATTACTGTA	TCAAAAGTAT	AGTTATGAAG	TAGCAATAAA
43351	AATAATTTTA	GGGTTGGGGA	CGGTCACCAC	AACATGAGGA	ACTATGTTAA
43401	AGGGTCACAG	CATTAGGAAG	GTTGAGAACC	ATTGCTATAG	CACCAAGCCC
43451	CTCTACTGAG	CCTACTAAAA	TACTTTGGAA	TGAAGTGTG	CCTGCCTCTA
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43551	TCCGGAATGC	ACAGAACACT	GGATTGTATT	TTTAGCACTT	CATAAAACTG
43601	GCCATGTGCA	CCTGTGATCC	CAGTGTGGAG	AGAAAAGAGG	AGAAGGACTG
43651	GACAGTCAAG	GTATTCCTGT	CAAGGTTACA	GGTACAACCT	ACTTTTGTG
43701	GTTTGCTGAA	TGGTGGTGTT	GTCAAGCTGC	CTTCTAAATA	TTTCTATTTA
43751	TACTCATAGA	TTTATATTTT	TCTCAACTTT	AGTCAGGAAG	ACTCCTTGTT
43801	CCCATTGGTC	AAGAGAGGCT	TGTGATTGGT	CAAAGTACTG	AGAATAATGT
43851	CTGTGTGTGC	TCATCCTCAG	AGGAGGGATC	CTTATCGATG	CCTCTCAAAA
43901	GGTTAAGAGA	GCATCGCAGA	GGAGAGGGTG	GAGAGAACGT	GAAGGCTGGA
43951	GGACTGAAAG	GTGTGCTGTC	TTCTGGACAA	GTCATGGCCA	TTGGCTGCTG
44001	AACTCATGAG	CTCACACAGT	GGTTACCTGC	GAGGCGAGAT	CCCAGCTCGG
44051	ACAGGGAAGG	GACTGCAATG	CTATTGGCTG	CTGCTGACTG	CTGGAATAGA
44101	GTGAGTCAGT	TTGCTTTGGG	AATGTGGTGA	CTAGAATGCC	CGTGTTCAGT
44151	GGAGGGCCCC	ACCCCATGCA	CGTATGGGCA	ACAGTAGTTG	GACTCTGTGG
44201	GTGTCTTAGA	CTTGCTGTCC	TAGGACTCAC	TTTGTAGACC	AGGCTGGCCT
44251	CCAAC TCACA	GAGATCCACC	TGCCCTTGCC	TCCCGAGGAC	GGGGATTAAA
44301	GGTATATGCC	ATCACCGCCT	GACTGAGAAA	GGAGTCCTAG	TTAAGGAATT
44351	GTTTCAGGTC	GATCAGCCTG	TTGTGGATAT	TGAAGGATTG	TCTTCCTTGT
44401	TAATTGATGT	TGAAGGTTCC	AGCCAAC TGT	GGGCAGTACC	ATTCCCTGAG
44451	CGGGTGGTCA	TGGGTTGTGA	GGTTATGGGA	AAGCTAGCTA	AGTGTGAAGC
44501	TGGGAGGGGG	CTCTCAGGTT	GCATGCCTCC	ACGGTTTCTG	CTCTACTCCT
44551	TGACTGTGAA	TGAGGTGATG	ATGTGTTGAG	TAGCAAGTAG	GTCTGCCTTC
44601	AAGACCCTGC	CCTGACTTCT	GTCAGTGCTG	GACTGTGTGC	TGGAAGGGTA

44651	ACCCAACAAC	TCCTTTCATC	CTCTAAGTCA	CTTTTGGTCA	GTGTTTTATC
44701	AACGCAGCAG	CAAGGAAACA	AGGACAGCGC	ATCATAGAAG	GGAAAGGAGG
44751	TGGAGAGGGA	GGAGAAGGAG	GGAGGGGGCC	TTGTACATTA	CATTGTAAGG
44801	TACATGGAGA	AGCAGGCTCA	GCAGTGGGCC	TGTGCTCCTT	GGTCCATTTT
44851	TGCTAGATGC	TGTGGGTGTC	CAGACAGAAA	TTTTGCTGTC	TGTCTGTCTG
44901	TCTATCTATC	TATCTTCTAT	CTATCATCTA	TCATATCTAT	CATTATCTAT
44951	CTATCTACTA	TCTATCTATC	TATCATCTAT	CATATCTATC	ATTATGTATC
45001	TATCATTTAT	CATTTACCTA	TTACTTGCTA	TTCATTTGTT	TACATAAACT
45051	TAATAAATTC	TTTCATTCAA	AACCAGAAAT	ATAATCATCA	TAGGTCATTC
45101	TCTGGACTCT	TTGGAGACAT	TTTTGTTTTG	TTTTGTTTTT	TGTCTTTTGA
45151	GTTCTAAGTA	TGGTTGGAGG	AGGGAGAATA	GGGGATAGAT	ATAATCAAAA
45201	TGTATTGTGT	ACATGTATGA	AATTTCTCAAG	GAATAAGTTT	TTTTTTTAAAT
45251	TTTTTAATGA	AAGTGCCTCA	TTCAGTTGGG	TGTAGTGGCA	CATACTTTTA
45301	ATCCCAGCAC	TTGGGAGGAG	GAGGCAGGTG	GATCTCTGTG	AGTTCAAGGC
45351	CAGCCTGGTC	TATATAATGA	GTTCCCTTGAT	AGTCAGAACT	ACATAGTGAG
45401	ACCATATTTT	TCGGGGGGGG	GGAAACCAAC	AACAACCAAT	CAACCAACTA
45451	ACCAAACCGA	GAGAGAGAGA	GAGAGAGGGA	GAGAGAGAGA	GAGAGAGAGA
45501	GAGAGAGAGA	GAGAGAGAGA	GAGAGAGAAT	GAATCCAGCG	AGACCTGTCC
45551	AGATTCTTCT	TGGCATCTCT	TTATGATCTT	CTTCCCTTTT	GTGTATGGAA
45601	AGAGATCTTT	CTAGAAGGAA	CCTATGATCT	ACCACCATAC	AGAGTAGTCC
45651	AGAGAATTCC	TTTATGGTCA	GGTCACAGAA	GGTGAAGGAC	TCTGAATGAT
45701	ATAGGGTTCA	TGGATACCTT	TGGGAGGAAG	TATTTACAGT	TTTTATAGAG
45751	AGAGGGAGAG	GGAGAGGGAG	AGGGAGAGGA	AGAGGAAGAG	GGAGGTGTGT
45801	GTGTGTGTGG	TGGGGGGAGA	ACAAAGCACA	TACTAAATGC	TGGGAAAGGG
45851	TCAGCATTA	TAATGATGAA	TTTCTCATAG	CTACCTTTGT	TCAGGATATT
45901	GTGTCCATTA	CTTCTCCTAA	GCTCTCTACC	ACTCCAGTTG	GAGAAGAAAC
45951	TCGGAAGGGT	GCTGGAGGGA	GGGACAAGCA	GTTACACACA	AAAGGCGAAG
46001	CAGAAGGAGC	TACGGAAGGA	TGCCTACACG	GGCCTTAACA	CATCTAAAAG
46051	CCAGACCCCC	CAAATGGGGG	CTGGAACGAG	GATGTTAGTG	AATGAAGTGA
46101	ATACATAGAA	CCATTAATCC	CATACTTGCC	TGCAAGTTGA	GGCTCTAGAC
46151	TGTAAAAGGC	ATACAATTGT	CTCTATAGCA	GTGGTTCTCA	ATCTATGGGT
46201	TGAGACCCCT	TTGGAAGATC	AACTAAGACC	ACTGAAAAAC	ACAGATGTTT
46251	ACATTAAGAT	TCATAACAAT	AGCAAAATTA	CAGTTATGAA	GTAGCAATAA
46301	AAATAATTGT	ATAAGTAGGG	GTCACCACAA	CATGGGGAAC	TGTATTAAAG
46351	GGTTGCGGCA	CTAGGAAGGC	TGAGAACCTA	GGGAATAGGA	AGCTCCTTTC
46401	AGGAGTAACT	AGAAGAATGT	CACTTTCCTT	TCAACATCTA	GACCAGGGTG
46451	TAAGGCCAG	GAGCACGGGA	CCACAGGACA	GCTGGCTACA	AAGGGCTGTC
46501	TGGTTTTGAT	GATGCTATCT	ACAAGGCAGG	GTTACATGGT	TTTCTGCTCC
46551	TTGGGGGCCA	TCTATCCTGT	CCAATATAGA	AAGTGGCCAC	TGCTCTCTAG
46601	CTCCATGTCA	GGAAGGCCAG	GCCTTGAGGG	AGAACAGGCC	TGAGTTTTGC
46651	ATGGATCCCC	ACTGTGGAAT	CCCCTTGCCA	TTTAAAGATA	CTAATAACAG
46701	CTGGGCAGGG	TTGGTGCACA	CTTTAATCT	TAGTGCTCAG	GAGGCAGAGG
46751	CAGGCAGATC	TCTGAGTTCT	AGGCCAGCCT	GATCTACAGA	GTGAGTTCTA
46801	GGACAGCCAG	GGCTACACAG	AGAACCCTGT	CTCAAAAAAC	AACAACAAAA
46851	CAGACAAAAT	AAACAACAGA	AAGATGTTGA	TACCTGGGTC	ACACCCTAGG
46901	GACTCTGGCT	GAATTAATTC	AGGATAGTGT	AGACATTCCA	CTGTGGCATC
46951	CAAGGTTAGA	ACCAGTGTTG	TCTTGTTTAC	CTATGTTTTT	CGAGGACCC
47001	AGGCTAGATT	GCAGATGTAT	AGGGATGGTT	ACTATTAGGG	GCATTTCCCA
47051	TTATTTGGTG	GCTGATCCCT	TGCTAGTCAA	GTCTTCAGAA	TTCCAGGGT
47101	GGTGACGAGG	GCCAATCACT	AGAACAAGGT	GAGGTTGGCT	TGTGGAATCA
47151	CATCCTTCTC	TCTGGGAGGA	TCTCCAGGTC	AGCCTGAGAG	GAACAAGACT
47201	TGTGAGAGGA	TTCTGGGATT	GTGTTCCAGT	GCTGTTCCCA	GGTGGAAATT
47251	AGCCTCTGTA	CGGGGCTGGT	ACCCTCTTGA	TCACGGCAT	TCAACAGGA
47301	ACACTGAGTT	TTTTTTTTTT	TTTCCAGCAC	TGTATTCCCA	GTCTTAAGGC
47351	CCACGTGGGC	CCAAGTTCAT	GAACATTTGC	CTTCCCCGCC	CTCTGTTCTC
47401	TGCCAGGCCG	AGCTGCTATT	CCAGGTACAA	CCTCAGATCA	ATTCTGCAAA
47451	TATTATCGGA	AATCTATTCT	CTGACAAGCG	CCGTACTAGG	AACCCGGAGG
47501	TATGTGATAA	TTGTTTTGTT	TATCAACAGT	GTTCTTGGA	TGTTAAGACT
47551	GAACAAGTTA	TCGCTTCTCC	AAAGTTCAGG	TGCTTGGCCT	ATAAAATGTG
47601	ATCTGTGTGG	ACAGACTTCA	GTGCCAGTGA	ATCAAAACCC	TTAGAACAGT
47651	GGCTCTTAGC	CTTAGACCAC	AACCCCTCTA	GACGTCAAAC	AACCCCTTCA
47701	TAGGGGTCCC	ATATCATAAA	TCCTGCACAT	CAGATGTTTA	CATTATGATT

47751	CATAACAGTA	GCACAATTAC	AGTTATGAAG	TAGCAATGGA	AATAATTTTA
47801	TGGTTGGGGG	GTCAGCACAA	CATGATGAAC	TGTACTAGAG	GGCTGCAGCA
47851	TTGGGAAGGT	TGAGAACCAC	TGGAGTAGAA	GGATGCCTGG	CCTGTATTAA
47901	GTACCTAATA	AATATCAGCC	AATGTTGTTT	TTAAGATCGT	TGTTGACTAC
47951	CATGTGAGCA	TTTGTGTTCA	CTTGTGTTTC	ACTACTCCCC	GGTGGAGGGA
48001	CTTGGTGGGA	AGGCAGAACC	CTGAAGATGA	CATTAAGGGC	CTTGTAAGC
48051	AGACCAAGGG	GGAGTGTTTG	CCCCTAGTGT	TGTGTGGTGT	AACAAC TAGA
48101	AGGTGCTGCC	TTTGAAGTAG	AGAAGCAGAA	AGGTGAACAG	GAGAGAGAGA
48151	GACACACAGA	GCTGAGGTCA	TGCAGGCTGT	GAAACCGACT	ATGGATTGGT
48201	CTCTGACCCA	GTGATGCCAC	TTCCAGGTTC	ATGGGCAAGT	AAGTCCACAA
48251	AAAGACTTGT	TTATGAATGC	TCATAACTTC	TCTTGTAATA	GCTAAGCACT
48301	AAAAACAAAT	ATATGTTAAC	CAATAGCATC	CATAAACAAA	CTATATGGCA
48351	TCCCAACCAT	TCAGTAACGC	TACGGTAAGC	CATAAACGAT	TCTAACAACT
48401	AGAATGCTAA	AATAGAAGCT	GTATATGACA	TATAGAAGAC	TGTATACTAT
48451	ATTATTACAC	CTAGACAACA	TTTTGTGTAA	GACAGATTTT	TGGAAAATGG
48501	AGTATGTGTA	TCACTAGGCC	AAAGAATAAG	AAACTGTCAG	GTGTTTTGTT
48551	GTTAGACAGC	TTACGTAGGG	TGTGTGTGAT	TGCTTCACTG	GTGTTTGGCA
48601	GAATTCACCC	ATGGAATCTT	TTGAACTTGC	TTCAGTACAA	ACAGGGCTAT
48651	ACAAACTGTC	CATTTCTTCT	TGAGTAAGCT	CTGGGAACTG	TGCATTTTAC
48701	TATTTGTGGT	GGTCTTTTGC	AGGTTGTTGT	CTTAGAATCA	TCTTCCAGTT
48751	TCCCAGCTGC	TACAGTGATC	ATCTTTTTTT	TTTTAAAGAT	TTATTTATTA
48801	TTATATGTAA	GTACACTGTA	GCTGTCTTCA	GATATAACCAG	AAGAGGGCAT
48851	CAGATCTCGT	TACGGATGGT	TATGAGCCAC	CATGTGGTTG	CTGGGATTTG
48901	AACTCTGGAC	CTTCGGAAGA	GCAGTCAGGT	GCTCTTACCC	ACTGAGCCAT
48951	CTCACCAGCC	CCGTGATCAT	CTTTTTAAAT	TAACCTTTTA	TGCTATTTTG
49001	TAGTGTGTGT	GTGTGCGTGT	GTGTGTGTGT	GTGTGTGTGT	TGTGTGCATG
49051	CACACATTTT	GTATATGTGT	GCAAATGTTT	ATATGCTTGG	GTGTGCGTGC
49101	GTGCGTGTGC	GTGTGTGTGT	GCGCGTGTGC	GTGTGTGTGT	GAGTGTGTGC
49151	ACATGCATGA	GGAAATGGAG	TTGAAGTCAA	GTTTCCTGCT	CAGTTGCTCT
49201	CCATCTTACT	TTGTGAGACA	TGGTCTCTCA	CTATTATGGT	TTGAATAAGA
49251	ATGGTCCCCA	TAGACTCAGG	TACTTTGAATA	CTTGGTTGTA	GAGATGTTTA
49301	GTGGGGTAAA	ACAGCCTTGT	TGGAAGAAAT	ATGTCATTGG	GGACAGTTTT
49351	GAGGGTTTCA	AGCTTCATCC	GTACATTTT	GCTTTCTACT	TTGTGTTTAC
49401	AGTTGAAGCT	ATGATTTCTT	AGCTTCCTGT	TTTGGTCTTC	TGATACCATT
49451	TCTCCTCCTC	TGGGACTGTA	GCCCCACAT	AAACTCTTCC	TTCTTTAAGT
49501	TATGGTGTTT	TGGTCACAGC	AACAGAGAAG	TAACCAATAC	GCTCACTGCT
49551	CCTGAAGCTT	AGCAGTTTGG	CCTGCCTGCA	TGGCCAACAC	ATTCCAGGGA
49601	CCCTTCTTTC	TCTGTGCTTC	ACCGCTTGCC	CCAGTGCAGG	GGTCATACAC
49651	GTACGCTGTG	GTGCTTTTCT	CTGCGTGCTG	GGATCCAAAC	TCAGCTTCTC
49701	CTGCTTGCAT	GGCAAGAACC	GTCCAAC TGA	GCCACTTCCC	CGATCCATAC
49751	AGCAGCATTA	TTCTTG TCAA	GTCTGCAGCT	GGAAATCAAC	AGAGCACAA
49801	ACAAC TAACC	CAGTTGACAA	TAAGGATGTG	GCAGGGCAAA	GCTTGGGAGC
49851	TCTGGCATGG	TCGAAGGCAT	TGTAGGCTGT	GGGCTTAAAG	CATTACATTG
49901	AGGCTGACAA	GTAATGCCCG	ATGACTTTGA	CAGACAAATT	TGCCTATCTT
49951	AAGCATGAGC	TTTTAAATGG	GAGTGGGAAA	GAGAGAAAAG	CTTGTTCAAA
50001	GGAAATAGCA	ATTAAAGATG	TTCCAGCAA	GTTGGGAAAA	GCTAAAGGAA
50051	AAGGCAGAAT	TTGTGACCAC	GATGTCTAGA	GAGCTATTTG	TAAAGATTTA
50101	GTTTGAATTT	TGTGTGTGTG	TGTGTGTGTG	TGTGTGTGTG	TGTGTGTGTG
50151	TGTGCGCGCG	CAGAGCCCCA	ACGAAGCCAA	AAAGAGAGTG	TTGAATCCCC
50201	AAGAGCTGGA	GCCCCAGGTA	ATTGTGAGCC	ATCTTATACA	GGTCCTAGGA
50251	GCCAAACTCT	AAAGAGATCT	GTGTGTTGAG	TGTATGTTTC	ACAAGAAACA
50301	TACTTTTCATG	TTTGTTTTAG	AATTTTTTGGC	ATATGGATAC	TCACGTACTT
50351	GTTGTCTGGG	AGTATATTAA	AACAAAACAG	AAAAGATTTG	ACTTTTCCCA
50401	AGAATATTCC	TAGTAATTTT	TGGGGAAGCC	AGGTGTTGTG	GCTTAGGCCT
50451	GTATTCTCAA	CATTCTGGAC	GTTGGCAGAG	GTTGATTGAT	TTTGTTTGCT
50501	TTTTAGAAAT	CCACGACTAA	GCCAGGAATT	GTGTTTGTTG	TTTATTGATA
50551	CTCATTTCTT	TTGCCTGCCT	CGATTACCAT	ACCATTGCAG	CAACCAGACC
50601	TACAGTGTGA	GAGCCTGTCT	CAGAAAACAA	ACAGAAAAAC	AAACAAACAA
50651	ACATCTTTTG	GAGAGGCTGA	AGAGATGGCT	CATGGGTTAA	GAGCACTTGC
50701	TGCTCTTGCA	GAAGACCTGG	GTTTCACTTCT	GAGCACCTAC	CTGGTGGCTC
50751	ACATCCATCT	GTTACTCCAG	TTCCAGAGCA	TCTGATCCCT	CCGGGCACCA
50801	GGGACCCTTA	GTATTCATAT	ATATGCATGC	AGACAAACAC	TCATACATGT

50851	AAAATAAATG	GCTTTAAAGC	CCTTTGAACT	TGCACTTATA	ATTATTGAAA
50901	TGACCTCTAT	TAAAAAGTAA	CTTTCTCTCC	CAACTTCTCT	CCCATGTAAA
50951	ATGCTACCTT	TGTACACACT	ACATCACTGT	TCTAAAACAA	ATCTGCTTGC
51001	AGCTACAGAA	CTGCCTAATT	AATGGACTTT	AGCTTAGTTT	TGCTTACCGG
51051	TGAAGTAGGT	TGGTTTTTCA	ACAGTCATCA	AAGGGTGGTT	ACAAAAACAG
51101	GTATCTAGAT	GACAGTGTAG	TGGTGGAGAG	AGATGGCAAC	CATTATATAA
51151	AGGTAGATGG	ATGTTCTTGG	ACCACCTTTC	TTTATGGTGA	GACAGGAATG
51201	TTATAACTTT	ACCATGCTAA	CTAAGATATC	AGAGAAGACT	GTATTTCATAT
51251	GCCATCATCC	GGCTTTCTCT	TGGAGAAGGC	ATACACTGCT	TTCTTGTGG
51301	TGTGTGTGGA	GCTAGCTGCA	GCTTGTGGGG	CCTGCTTTTT	TGGCTCTGCC
51351	ACATGTTGAC	AGCTAAAGTT	AGTCTCACCC	ACGATTGGCT	GATCTGGTTC
51401	GGTTGCTTCT	CAGAATCCCA	TGACTAAGCC	AGGAATAGCA	TTTTGCTGTT
51451	TATTGATACG	CATTTCTTTT	GCCTGTCTCG	ATTACCACAC	CATCGCGGCA
51501	GACTTTGGTC	TTTGTGAACC	TGTCTGGAAA	GTCAAATATA	GTAGAGGCC
51551	TAGGGCTAAT	GACACCATCA	ACTGGAGGTT	ATGGAACAGA	AGTTGGAGGT
51601	AACTCAAATG	AGAAGAAAAC	GTGTGTGTGT	GTGTGTGTGT	GTGTGTGTGT
51651	GTGTGTGTGT	GTGTGTACAA	ACTTACATGT	GTGCTAGTAC	ACATGAGTAG
51701	AGGCCAACCT	CTGGTTTGAT	TCCTTGTACA	CTGTCAATCT	GGTTATTTTT
51751	GAGACAGGGT	TGGTCTCTCA	TTGGCACAGA	ACTCATCAAG	TAGGTTTGTG
51801	TGGGTTGCCA	GTGAACCCCA	AGAATCCTCC	TGTGAAGTGG	AAACTTAAGG
51851	TTCTTTTGG	GAGTCAGTTG	TGTTGGATGG	TGTTTTGCTG	GTCAAAACAC
51901	GTGAAGGAGT	CTTTGGGGGC	ACATGTGTGT	GTGTGTGTGT	GTGTGTGTGT
51951	GTGTGTGTGT	GTGTGTGTGT	CAAACCTCAG	CTCTTGTGCT	TACAAGGCAA
52001	ACATTTTACT	GAATGAACCA	TCCCTCCAGC	CTGAGAAGAA	AGCTTAATAG
52051	CACACTCAAC	CTGACCCCTT	TTTTTCATAA	ACTTAACGAG	AAAGCGAAAG
52101	TGTAGAGGAA	GTCTACAGAG	ATGGCTCAGT	ACATAAAACC	CTTGCTGGAC
52151	AAGATGGCGA	GCCGGTTTGG	TCCCTGGAAC	TCACATAAAT	AAATGTGGAA
52201	GGAGAGAGCT	GACTCCTCTG	AACTCCACAC	GTGCACCATG	GCACGTGCAC
52251	TGGTGTTCCT	AACAGCAGCA	GCAACAGCAG	CGGCAGCATA	CTAGTATCTA
52301	CCAAGGGTCT	TGATCAGGGT	CCCCTCTTCT	GTGATGTTAG	CTGAGATCTT
52351	CCAAAGTGGT	CGGAACGATA	CTTCCCAAGT	GTCTACAAAG	CTTCTCTTTG
52401	TGTTCTCCCA	CGAGGTCTCA	CCCCTTTTGG	AATTATCCTT	AGACTGAGGC
52451	CCTCTCACTT	ACACTGTGAC	CTATTTAAGG	GGTGAACCCA	AAAGTCCAGG
52501	ACGTTGAAAG	AACTCACGTG	GGTTTGAGGA	TCAGGTGATC	TTTTGCTCTT
52551	TACCCGATTCT	TACATGTAGT	GGGGGGGTCA	GACTCACAAG	GGATCAAGGA
52601	AAAACCTTCAC	GAGAGCCAGG	CTCCTTTGAG	TCACAGGCCC	AAGAGTGGAG
52651	TGAATCACAA	GAGTAAGCCA	AGAGGCACAT	CAAAGTGTA	GATGAAGAGT
52701	TAAAGGGATG	GAAGCCAGAA	GGAAGATAAG	AAAAAGGTTT	CCATTTCTCTG
52751	ACTTAAGGAT	GCACTCCATC	TATTTTGGTT	GTCTTTTTTT	CTCATCTGAA
52801	GTGGGGGCCCT	ACTATGTCGG	GGGGGGGGCT	GTTTAAAGTA	CTAGGGGTAT
52851	AGCAATGGGG	ACACAGACCA	AGTGTCTACT	CATATTCTCG	TGGGGGGAAA
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52951	GGCATAGGTA	AAAAGTGAAG	CCAGAAAGAA	AGAAGCAATC	TCCAACAGGA
53001	CCCAAGCGAG	AAAGCTTTTC	TGACCAAAGG	TCTGAGCTCA	GTGAACGCCT
53051	TATGGGAAGG	TGAAGAAAGG	ACAATGGCCT	CAAGGCAAGA	TGGCCATATT
53101	GAGGAAAAAG	GTGACACAAG	GTTAGAACAC	CTTGGGGGAA	AACAAAGGAC
53151	ATAAAAACCTG	GCACTGGCAA	CAATCATCAC	CTTCCCAGAA	CTGATTGTGG
53201	CTGATGCACC	TTTGACAGTG	CAGTTCAAGC	GTGTCAATTC	CCAACTGAAG
53251	GCAACCTCTG	TTTCTCAGAA	GTACTTTTAG	AGTCATTCCG	CTCAGCCCTT
53301	GTAATCTGTG	CTCTCACCAG	AGGCTAACAG	GCCTGGGGAG	TCACAGTGAA
53351	CCTTGAGGAG	ACTTTAAAAA	TAGGGTCTCC	TAAGGTAGCC	CTAGTTCACC
53401	TGGAGCTCAC	TATGTAGAGC	AGGCTGGCTT	CACACTTTGG	TGGATTGTCT
53451	TGCCCTCTGTT	TTCTGAGGGC	TGGGATCAAA	GGTACAGAGA	AGAATAAAGT
53501	AAGCCAGCTG	TGAGAATCCA	GTCTCTTAAA	CACAGAGAAT	TTCACTTCTA
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53601	ATGCTTTTGA	AATTACATGT	ATGTATGTAT	GTATGTATGT	ATGTATGTAT
53651	GTATTTATTT	GTTTGTTTGT	TTGTTTGTTT	GTTTGTATCT	AGTGGGTGTA
53701	CGTGTGTGCA	GTGGTACAAA	CCTGCCAAAG	GATGTCAGAG	AACATCCGTT
53751	TGGGAGTTTG	TACTCTCTCC	ACTGTGTGGG	ACTCAAGGAT	AGAACTCAGT
53801	TGTCAGGTTT	CATGGTAAGT	ACCTGCAGCC	ACTGAGCTGT	CTCACTGGCT
53851	TGATTTTTTT	TTTTTTTTTT	TTGAGACGGT	GTTTCTCTGT	ATAGCTCTGG
53901	CTGTCCCTGGA	ACTCACTTTG	TAGACCAGGC	TAGCCTCAAA	CTCAGAAATC

53951	CACCTGCCTC	TCTGGCTTGA	TATTTAAAAC	TTTGGGGCTT	TCTCCTATTT
54001	CCCCACTATC	AATAGTGAGT	TATTTCTCCA	CCGTAAGATA	AAACCACAAG
54051	TGTTACAAAA	GGCAACTCCT	GTCCATGCTG	GAGAGGTCCC	AAGATGGGTG
54101	AGGACTGTGG	CCAATGGGAG	GGCCATGTGC	TGGCCAAAGA	AGCTAGCCAC
54151	TACTCTATGT	CTGCTGATCC	TGTTTTGTGG	GAGTGGGACC	TCACATCGGC
54201	AGATCATATA	CTTGGGCAAA	AGAGGGGATT	AATCTGGATA	TACCAGGGGC
54251	ATAAAATCTA	TAGAGTTTTA	ATCTCTTCT	GCTTTTGAAT	GCCGGCACAC
54301	CAACCAATCA	ACCAACCTGA	GGAAGCCAAC	CCATAGGCAA	GTGGTTTGTG
54351	GTCTCTATAG	TTACAAGAAT	CTCTGAGAGA	CTTGATTTC	ATAGCATTA
54401	CAACATCCAT	CCATCAACAT	CCACTTTTGT	GGGAAAATCC	ACTATGTTCT
54451	TAGGTCTCAG	AAGTCTGGAG	GATGGGTTC	ACCTGACCTA	CTTCTCCTGA
54501	TTCCACAACC	CTGATCTAGG	GCCTGATTT	TAGTGGCATC	CTCCTCCCTT
54551	CCTCCCTAAC	AAGTCCCTCG	TTGTGGGGAT	GGCACAAGTA	GGATATTATG
54601	AATGGAGTAT	GCTATTAAAG	AGCGCATGGT	AGAAAAGTGT	AGATGCCCTG
54651	GCATAGAAGA	TGACTCCTGT	CTGCATCTTC	TCAGGACTCT	ACACTCCTTC
54701	CCCTAAATCT	CTCACACTTA	GGCCAACCAC	AGCATAGGAA	TGCCTCACCT
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54801	AGTTCCCAT	CCCAAGACAT	ACAGCGTCAT	ACAGGTGGA	ATTCCAACAC
54851	ACGGGGTCCT	TTGTCCCTCC	AGCCCTGT	GCCTTCCTTC	TTTGATGTGG
54901	CTAAAAACAA	GTGACCCAC	CTGGTTATCA	TTGCTGTTTC	TCCTGAAGCA
54951	TTTATACTCA	AAGACAAGGA	TCTAGTTGCC	TAAAGGGGTT	GTGACACTAG
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55051	TTACATATGC	TCTAGAAAAG	AGAACAGTCC	CAGCGTCAGA	GAGAGCTGAA
55101	GATACACTGC	ATGCTGGCTG	TACAAATGTG	AGACGTGGAA	CCTTTGAAGA
55151	AGAGGGCCAG	AGGATAATTA	AATACGTGAT	TTCTGTCTAC	ATGTACGCCA
55201	GACTCATATC	AGATTTAGTT	GCCAAAGATC	ATCCATTGTT	CACCCAACCT
55251	CTGTAAGCTG	GTAGAAGCTT	GCCAACTCCA	GTACTAGCGT	ACTGTCATTG
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55351	GACACTCCTC	AATGCAGGCA	ATGAAAGCAG	CTCTCTAGTT	CTGTGGGCAA
55401	CACTCCTGTG	CCCTCGCAGG	GTAGAACCAT	AGTAGGGATT	TGCCATAGTC
55451	AGTATGTCAT	CCAACCTGAA	AGACATGTTT	TTAGGCATCC	AGTAATAGAA
55501	TTATATCCCT	CTTTGACCCT	CTATAAGTTT	TATTTATTTG	TTTAAAAATT
55551	CTATTCTTTA	GGTGTGAGGT	GTTTTGTCTG	GATGTATGTT	TCTGCATTGT
55601	GTTCTATGCT	ACTCCCCTCA	GAAGCCAGAA	GGTGGCACTT	GGTCCCCTGA
55651	AACCTGGGTT	ACAAATGGTT	GTAAGCCACC	ATGTGGGTGC	TGAGAATTGA
55701	AGCCAGGTCC	TCTGGAAGAG	CAGCCAGTGC	TCTTAAACAC	TGACCTATGT
55751	CTCTAGCTGT	AACACCCTGT	AAATTTTAAA	GTTGAACCAG	AACTCCCTGG
55801	AGTTCTTGGG	CAGCCACCGA	TGGAAGTTTG	TGGTGAGAAT	GGTGTGTGTG
55851	TGTGTGTGTG	TGTGTGTGTG	TGTGTGTGTG	TGATCATTTT	ATTCCATGTA
55901	CGTGAAAGTA	AGACAAGCTT	CTCCATACTG	AGCACAACCA	AACTCTCTGA
55951	GAGTAGAAGG	GCAAGTGAAA	TACCAGCCAG	TCCTTAGAAA	GAATGCACTA
56001	AGTGCCAAAG	CTCTTTTCAT	GGATTATTTT	AATTGTCAGA	TATCTTGTGG
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56101	GTTCTATCAC	CGTCTCTCTA	ACTTGCCAAA	GGTAACATAT	ATAAAAAATT
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56201	TTCATTTCAT	CATTTCATTCA	TTCATTTCAT	CTTACTTACA	CTCCTTAATC
56251	AGTGATGTCC	AGTGCCTCCT	ACATGTTAAG	GATGGTTCTT	GGTGTGCAAG
56301	CAGCAGCCAC	ATTTGTGAGC	AATGGAAGGA	AGAGTACACG	ATGCTCACAT
56351	TCTAGAAGAA	AAGAAATAGT	GTGAGTTCCA	CAGGTACACG	AAATTTTATT
56401	TAAGTTGGTG	TGGCAGCTTA	CACCTTTTCAT	GCCTGTGTTT	GGGAAGCCGA
56451	GGCAGGAGGA	TTCCCTTGAG	TATGTGGCCA	GTTTGGGCTA	CTGAGTGAAA
56501	CCTTGATCCA	AAAGGCCCTT	TGTCCCCCCA	AATAAAACAT	CAAAACAGTG
56551	AATAGCGTTA	GTGCCTAGAA	GAGGGTTGTG	CGTGTGTGTG	TTTGTGTGTT
56601	GTGTGTGTGT	GTAAGATTCT	AAATTGGGTG	TCGAGTCTTG	CTAAGAAGGC
56651	AACATTAAAT	AAAGATCTAA	GGGGACTGG	CGAGATGGTG	CAGAGGTAA
56701	GAGCACTGAC	TGCTTTTCTG	AAGATCCTGA	GTTCAAATCC	CAGCAACCAC
56751	ATGGTGGCTC	ATGAGATCTG	ACACCCTCTT	TTGGTGCCTC	TGAAGTCAGC
56801	TACAGTGATC	TTATGTAATA	ATAAGAAATA	AATCTTTGAG	CCGGAGCAAG
56851	CAGGGACTGA	GCGAGCAGAG	GTCCTAAAAT	TCAATTCCCA	ACAACCACAT
56901	GAAGGCTCAC	AACCATCTGA	ACAGCCATAG	TGTACTCACA	TACATAAATA
56951	AATAAATTTT	GGAAAAAATA	AAAGATGTAA	GGAATGTACT	CAGGAGTAAA
57001	CCATAAAGAT	GTCTGAATGA	ACACAAGTCG	TGGAACAGAC	AATTGGACCA

57051	GAAGCAGCAG	CAGAAGAGCA	TTTTAGGAAA	GGCAAGGAGT	CCAGAATGCC
57101	TGAGACTGAG	GCTGACTGGG	GCAAGAGTGG	GCTATGAGTA	TAAATAGGCC
57151	TGGGACTCAA	GGGTGTAGGA	AACAAGATCC	GAAAGGTAAG	TGGGAATGGA
57201	TCCTGAAAGA	CCCTGCAAGT	GGCAGGGCTT	CGTCTTTTAT	TTGGCTGCAA
57251	TGTAGTCATT	TGGGTGCGGC	CAGAAGAAAA	CAACCCAGTT	TCCACACGTG
57301	AACTCTTGCT	TCTCTGTCCA	GGAGAGGCTG	CAAAGGGGCG	AGGAAGCCAT
57351	GGAAGAGACA	CAGCAGTGAC	CGGGGCAGAG	GTTAGGCTAG	TTTGTCCCGG
57401	TGTGCAC TAG	ATGTGTGGCA	AGCACTTCAA	GTCTAAGATT	GTTGTGAAAC
57451	CTCGAGTGGA	AGGATTGGTC	GACGGGTGTG	TATGGGAGCA	ATTGGTCGTG
57501	TGATGCCCTG	AGCCTTTTAG	CCCTAGCGAC	TGAACTGGGA	TCCCTGGCAG
57551	GAGAGGCAGG	GCAGGTGCAG	AGGAACAGCA	TGCTTTTGT	CTAAGTGGGA
57601	GGGGTTATCA	GGGCTCAGTT	CAGGGATGTT	TAATTAGAAA	TACCTATTAG
57651	GCGTCTCCAA	AGGTGATGCT	GAGAGCTCAG	GAGAGGGGTC	CTTCAATGCC
57701	GAAGTTCAAG	GTCAACAAGA	TACGCTCTAC	TTCAGGGCAA	CTGAAGACAT
57751	TGATTACAC	ATGACTTTGG	CAAAATGATG	ATTATCAAAC	ACACAAACCA
57801	AAACCAAAT	AAATAAATA	ATAAACAAAT	AAATAAACCC	ACACACAAAA
57851	AAACTAGATT	AAGAATGTCA	GATTTAAAA	TCCACCCCTA	TTCTGCTACC
57901	CTCAAATACT	TGATTGCTT	TCTCTATATT	CCCTCCTGGT	TTTGGCCACT
57951	GGTACACATA	ATTGCACAAT	GCCGTTCTAC	CCTATTTGCT	TGCCAGGAAC
58001	TCATAGACAT	TTCTTAAGTG	GCTCCTACAG	TGCTCAAAGA	GGATTTGAAA
58051	GGCTGACAAA	ATGTAGGGCA	TGGAATAGGC	TAGAAAAGAA	AGTTGAAAAA
58101	TCTTAATAG	CTTGGTGACC	TACGGTAAGC	TGTGTGCCTA	CCGTAACTTT
58151	TGTGGCCAGT	GACTCCTTGT	TTAGGAGACT	GAACTTTGAG	ATGAATGAGG
58201	GCAAGCCACC	TTGCACTCAG	TCAGGGAGAG	ATTCTAGAAA	AAGAGGGTCT
58251	GTGCAAAGGC	CCAGGAGGGA	GAAAAAACA	AACAAACAAC	AACAAAAAAA
58301	AACACATGCT	ATGGTTTGAA	TGGAAAAATA	TCCCATGAAG	GCTTATGTAT
58351	TTGAGTCACT	TCTTAGCTGG	TAGCACTCAC	TTTTGAAGGC	TGTAAGGCCT
58401	TCAATCTGTG	GGTCCTACCC	CCTTGGCAAA	CCTTGATCTC	CAAAGTTACA
58451	TAAGCACAGG	CACACACTTC	CACCTCCTCT	GAGGTTTCT	ACCAAGAAAG
58501	GATCAACCAT	TCATAAAATG	TTGGTCCTAG	TGAACCCCTG	ACATTGTAGA
58551	GGCTTAAAA	GTTTAATTTG	GGCCTCCAAC	TCACTACACA	GGAAGTCCAG
58601	CGGGATCCGC	CTGTCCGTTT	ATGCTAACCT	TTCACCGACA	TCTTGTTTTT
58651	AAGTTTACAG	AAAACGTTAG	GGACCTAAAG	AAGGTCATTA	CATTACAGTA
58701	CATTACAGTA	CAACAGAAGT	TACAAAGTAG	CAATGAGGGG	CTTGGGGATT
58751	TAGCTCAGTG	CTAGAGCGCT	TGCCTAGCAA	GTGCAAGACC	GTAGGTTCCG
58801	TCCTCAGCTC	TGAAAAATCA	AAACAAAACA	AAACAAAGTA	GCAATGATAA
58851	TAATTTTATG	GTTGAGGGGT	CACCATGATA	TGAGGAACTG	TATTAACCGG
58901	TCGCTGCATT	AGGGAGGATG	AGGACCACTG	TGGGGCTCAG	CTGAAGGAAG
58951	TGAGTTGCTG	GTGTAGGGCA	CCGGAGTGCT	AGATGTAAAC	CGGTTTCCTG
59001	TCTCCCTTCT	AAGGCTGACT	GCACCACTAA	TTCTTGCCCT	CCGTGGAGGG
59051	TGCTTTCCAG	GCTCCAAGCC	TTCTTGCCAT	GTTGGAATGT	GTCCCTGTGAA
59101	CCATGAACCG	AGATCAATCT	TTCTTCCCTT	CCATCACCTC	TGCCAGGTGG
59151	TTTGGTCATA	GTACTCAGTA	GAGTAAGGAG	GCTGGAAGAT	TTACTACACC
59201	TGACAAAGAA	AAATTAATCT	GTATGATCTC	AAAAAAAAAA	AAAAAAAAAA
59251	CACCACCACC	AACAACAAAA	AAACCAACAA	AAAACCAAAA	CCCTTTAGGA
59301	GTGCAGAAGC	ACAGGCACAC	ACTTCCACTT	CCTCTGAGGT	TTTCTACCAA
59351	GAAAGGATCA	ACCATTCTATA	AAACGTTGGT	CTTAGTTATC	CCTGCACATT
59401	GTAGAGGCTT	AAAAAGTTTA	ACTTGGGCCT	CCAACTCACT	ACACAGAACT
59451	CCAGAGGGAT	CCGCCTGTCC	GTTTATGCTA	ACCTTTCACC	GACATCTTGT
59501	TTTTAAGTTT	ACAGAAAACG	TTAGGGACCT	AAAGAAGGTA	AGCATCCTGC
59551	TAAGTTACTC	CCTGGCTTTA	CACAGGCTTT	CTAAACTTGG	AGTAAGAGGC
59601	ATCCTTCCCA	TCAAAGATTG	CAGGAAAACA	GCCTCCCCCC	TCCGCGGCCA
59651	CACATACGAA	TCTATCGCTG	ACAAAGCCCC	TGTAAGCTGG	CTTATGTCCT
59701	CCCCTCGCGT	TCACCATTCT	GTAAGTGCAT	AGAATTATTT	AAGAGGAAAA
59751	AAATTACTGT	GGATAAAAA	TGGTTCGGGG	CCTTGGAATT	GGCCGGTTCG
59801	TTTGTGTTTC	CTTCCAGGGC	CGGCAGGCGG	GGCACCAGGC	AAGGCTTGGA
59851	AGCCGCGCCT	CTCTCAACCT	CTCCTGGCCA	CCCTTGCCCA	ACTTCCCCAT
59901	AGACACAGCT	TCAACTAAAA	GTGGCCATTG	ACCTTTCAAG	CTTTTGAGCA
59951	GTGGGGCAAC	AGAACAGTAT	TTCAAAGAAA	AATGGTTATC	GAAATTTTCGA
60001	ATCCGGTTTT	CCCATGAGTG	TTTTTTTTTT	GTTTTTGTTT	TTCTGTTAAA
60051	AAAAAAAAAA	GTAGGTCACA	TTCAAAGTGG	GTCACGTTTC	AGGAGCCGGC
60101	GTGCCTGGAT	GCCGGCGCGG	AGGCTAGGTG	GCCTCTTACA	GAGTGGGAGG

60151	TGAGGGTCCC	AATAGGAAAG	AAGTACTGGG	ATCAATACGA	ACTCCGGGTC
60201	CCTGGCTTTG	CAAGGATTCA	CAGAGACAAA	CGCACCAGGC	CTGTGACCCC
60251	GCACCCACCC	CGGGCACAGG	TAAGGGCACC	TCCTCTGTAG	GGTGGCCAGG
60301	GTGGGTCTCC	CGAAGGGCAA	GCAGGAGTTG	AGCTGAGGAG	GAAAGGAGAA
60351	GCTGGGCAAG	GCTGATGCAG	GGGACTACCA	GTTGGAGCTC	CAGGGGGGAG
60401	GGATTGAGGG	CAGTCTGCGC	AGCTTTAAGG	AGGCGCTCAG	CTCGTCTCTT
60451	TCCTGGCCTT	CTAGGATGCT	GGCGGAGGGG	ACAGTCTCTG	TTTCGCTTCC
60501	CGAGGTGCCC	GGGAGTGGTA	GTCGACCTGG	GCAGTGGCGT	GCTAGCTCTA
60551	GCTCTGTGTG	TGTCTTAGAG	AGGGAGGGAC	GGACATCTGA	GCCCCGCCCC
60601	CTTCCCGCAC	GCTGGTCCTG	CATCCACAT	GGAGGAGAGG	AGGGTCGCGT
60651	CTGGCAGGCG	CACAGCGGGG	TGGATGGCTG	GCCTAAAGGT	TCCCTCCTAC
60701	GTGGAGGGCT	GGGGAGAAGA	GGGGCTGCTA	TTCCGCGGGAC	CGAGGTGCTC
60751	AGCTGTTGCA	GACACAGGGG	CAGGTACTGG	TGGCTTAATA	GGCATTGGCT
60801	GGGGACTTCT	CCTTGTTCCT	GAGCACCCCG	AGGTGCAGGG	TCAGAGGAGG
60851	GCGGAGTCGC	AGGCTTCCAC	CCCGCAGCCA	CCAGCACCAG	CACCCGCACC
60901	GGCTCTCTCC	ACCCGGCTCC	CTTGAAGCCT	GCGCATTAGC	GGCCGGGGCC
60951	TCTTTAAAGC	GCTGGCGGGG	GCTGCGGTCA	CGTGAGGCGG	ATTCTTGGAA
61001	AGTTCCCTGGA	AAGCGGCCTC	CGCCGCGGCC	GGGCGGGGCG	CGAGGGGCGG
61051	GAGGCGGGGA	GCGAGGGAGG	CGCGTCGGGC	TGGGAAGTCG	CGCGCACACT
61101	CGGCTCCGGG	GACAGACGGT	TAACCTCTGC	CAAGTCTCGC	CGCCTCTGCG
61151	GCTCCCGGGC	CTTGGGCTTC	ACCCCTGAAG	CATGAGCCTT	TCCTCCCGCA
61201	GCCGCCAACG	CTGCGCGGGT	CTCGGACAGT	GCGCGCCGGG	ACTCCAGGCG
61251	CGCGCCCTCA	AGATCCCTTG	TGCCCCGAGC	CCGGAAGCTT	GCGGCAGGTA
61301	CCGCTCGCGA	AGCCCGAAGG	TTCCGCCCCG	GGGGACAGTG	GCCGGGAGGG
61351	CGGCGGGGTG	CGAGCACGGG	GGCGGCGGCG	GACCGCCTGG	GCGTCCGCAG
61401	TTTAGGGGCG	CCCGGGAGAG	TTCAAGTCGG	GGCTCTGCCC	CATCCGGACT
61451	CAACTGCCTC	CTCTCTCCCC	GGTTCCTTCT	CGGTCTCGGG	AAATTTTCCG
61501	AGCACCCCCA	CCCCCAACA	ACTGCTACCC	AAATTTATAA	TCCTAATAAC
61551	CTGATCTCCC	GCTCTCTCCC	GCCAGCCTCC	GCCCTTGCTC	CCCCACCCCA
61601	CCCCTTCTCT	TTCTCCCATC	TCCTCCGCTT	CAACTGGAGG	GAAACCCGGC
61651	ACTGGCGAGC	AGGGGTGTCA	GCCTGGGGCG	GAGAGGGGGG	GGGGAAGCTA
61701	GGCGACGATC	CCTGGGATTT	TTGTCTGCCT	TTGGCGCAGA	AAAACTCGGT
61751	TGCTTTTACT	GAGCGCAGAG	CCGATTCAT	CCCCAGGCAT	CTCCTTCCAC
61801	AAATAAACGT	CACCCGGGGA	ACTCAGACGG	ACACCCCTCC	TTGCCCCCTG
61851	GCTCCCCCGC	CCCTTGTCCT	CTGGGGAGGC	TGCTTAGTGC	GGAGGCGGCA
61901	GTCGCGGCGG	TGGAGGTAAG	ACCTCAGTCC	CAGTTGATGG	CATGGCCCCG
61951	TGCGCTCGCT	GTTGCGGGCT	CAGCCCCGGC	CTCATTTGGA	GCTCCGGCGG
62001	GGGCTGCACG	CTCCGGCCGA	TTCTTCGACA	GCGCCCGCGG	CGGCAGCCGC
62051	AGGAGCCGCG	GTCCGCGTTT	TGGAGCGACC	GCCGCTGAGC	CCCCCATCCT
62101	CGTCTGGAGC	GTGCTCCAGG	AAGCGGCAGG	AGTGGGGGTG	AGGCCGCCTC
62151	CGAGGCAGGG	ATGCAGCGGC	TGGCGCGCCG	CTAGCGCACC	GCAGCACCCT
62201	CGGCTGGCGA	CCCAGGAGCC	CTGCGGCGCT	TTAGGGCGTG	GAACCAAGTT
62251	TTGCCGGATG	CATCCTCCCA	AGGGCCCTGG	GGCTGCTCGA	AATGTAAGAT
62301	GGAAATGCCA	AGTGCAGAGA	ACTGCCCCGT	TCTTTGTGTA	ATGTTTTCCC
62351	CCCCACCCCC	ACCCCCACT	TGCCCATGAC	AAAGGCCTAT	CCATCCGGAC
62401	CCGCAGGTGA	CTGTTTCCTG	GGCTGCCTGT	GTGTAATTCC	AGCACACAGT
62451	TCTTCGGCGG	GAAAACACCT	TGTTTACTCT	CATCCTGTCT	CCCTCCTCAC
62501	CCCTCTACTC	CGGCCAACTT	TAGTGTCTTG	GATCTCTGCC	CTTTTACCC
62551	GTCTTTCCCC	AGAGTTGGGC	AGGGCGTTAG	CTGGATGCTC	GGGTTTAAAT
62601	GGTACAGAAC	ACGCAGGCGG	AGGAGTCCCT	GGGATTTTCC	ACGTGTCTGT
62651	TTACCCACCC	CCACCTCGGC	CGTAGGGGTT	CAGCCCAGAC	TGACCCAATC
62701	TCTGTTCCAT	TGTTTCTTCA	CAGGCGATCT	GTGGGTGACA	GTGTCTGCGA
62751	GAGACTTTGC	CACACCATTC	TGCCGGAATT	TGGAGAAAAA	GAACCAGCCG
62801	CTTCCAGTCC	CCTCCCCCTC	CGCCACCATT	TCGGACACCC	TGCACACTCT
62851	CGTTTTGGGG	TACCCTGTGA	CTTCCAGGCA	GCACGCGAGG	TCCACTGGCC
62901	CCAGCTCGGG	CGACCAGCTG	TCTGGGACGT	GTGACTCAT	CTCCCATGAC
62951	CCTGCGGTGC	CTGGAGCCCT	CCGGGAATGG	AGCGGACAGG	ACGCGGAGCC
63001	AGTGGGGGAC	CGCGGGGTTG	CCGGAGGAAC	AGTCCCCCGA	GGCGGCGCGT
63051	CTGGCGAAAG	CCCTGCGCGA	GCTCAGTCAA	ACAGGTAGGG	AGCTGGCGGC
63101	TGGCGAGGAG	TGCGAAACGG	GGCGTCCCCA	TCCCCACCCT	ACCCAAGGCG
63151	GTGGCGGAGA	GCGCGGCTGG	GACGCGGGCC	CAGGTTGGGG	GCACTGAAAG
63201	CGATGGAAC	ACTACTCCTC	GCGTCCGGTC	TCCGCTCGGG	GAACCGCAGA

63251	GAGGGATGCC	CGGATCTTAG	GTGACCACAA	AAGCAAAGTG	GAGGGACGCT
63301	GAGGCTTG	CAAGGGCCGG	GAGCGAGCTG	GGCTCATTTT	GGAAATGTTC
63351	CCCCAGCACC	TTGGAGCCTA	GGCTGCTTTC	AGCCGGAGCT	CCCGCTCGCT
63401	CCGGCGTGGG	AGAAAAGCGG	CCAGCGCCTC	TCTTAACTGG	CCCGGTGCGC
63451	GGGCGGCCAG	TGGGCTGTGC	TGCCTCCTGT	CTGGGCTGTG	AGCGCTCCCC
63501	AGAGCACAGC	CGCCTCTGCC	GCAGCCCCGG	TTGATGGCAG	CCAAGTTCAG
63551	ACTGTATGAA	TCGCAGCTGC	TGGGGGTGGG	GGGTAGCCTG	GGCCGAGTGC
63601	AGCCTGCTCC	CCGCAATGCG	GAAAGCACCC	TACATCTGAA	AGCAAAGAAG
63651	AGAAATTTAT	ATTTTCTCCC	AATAGCTCGA	AAACAATTTG	AGTCTTAAAA
63701	AATCTGGCTT	CTGAAAACCT	ACCTTTGAGG	CAAGACAACCT	TTTGTAGCAG
63751	TAGATCTTGG	GAGAGGAGAA	AAAGTTCCAG	TCTTTCCTTT	CGGCCCTGGG
63801	CTTTCCTTGG	GAAAGTTTCC	CGGTAATATT	TTTTTGTTGC	GGGGGGGGGG
63851	GGTGGCGAGA	GGGGAGCTGT	CGGCTGAAAC	GGAGGGGGGG	ACATTGTTCA
63901	AAGTTATTAA	ACGAAGTATC	TTGAGTTACT	TTTGTAAGTG	AGGTTTAGAA
63951	TCTGGTCAAG	ATGAATCAAA	TGGAGATTTT	AGAGAGCAGG	GGTTATTTTG
64001	ATCCAGGGCA	AAGTCCAAAA	GAGTATAGTG	AAGACTGTAA	ACTGTTTCTG
64051	CTCTTCCTGG	GAAACTGAGC	TAGTTGTAAT	CAAAGCAGTC	AACAGGAGTG
64101	CCTCCTAGGG	CTTCTAACGG	AGGCTAAATG	TTACAAGTTC	TTTGGGGGTA
64151	GGTTAGAGGG	CTACCAGCCA	GTCAAAAAAA	AGTTGCTTCT	GTTTTTAAATG
64201	GAATTATCGG	AGATAAGCTT	TCCACTTTGT	CCCCTAACTT	CTAATTTAGT
64251	TCTGATTTAC	TTAGGTTTTT	GTTTCAGTTA	AACTGTACTG	AAAGTTTGT
64301	TTTTTTT	TTTTCTTTGT	CAGCCAATAT	GTCTGTCATA	TTGCAAAAGT
64351	TCTTTTAGCT	CATTAGGAGA	AAACCTTAAC	ATAATTTAAA	GAAAAGCTAC
64401	AGAAAATCAT	TTGAAAAGAA	AAAAATTGCT	TTACAGTTGT	GCCTAGAATG
64451	GACTTAAGTT	TTTATTAAAT	ACTTACCCAG	AGATTTGTGG	TAGGCCTTGG
64501	TAAACTTTAA	CTCACAGGCT	TTAAAAAAA	AAAAAAAAGG	TGTAACAAGA
64551	GAAATTAGTT	GAGCACTGTG	GTACAGGTTT	ATAAATCCCA	AGACTTGGGA
64601	GGTGAGTGAA	GAAGAACAAG	AAGGTTCAAG	GTTATCCTTG	GCTACAAAGT
64651	AAAATTGAGG	CCAGCCTGGG	CTACAGGCTG	CCCTGTCTCA	AACAAAGCAA
64701	ACCGACTAGA	AAAACGACTG	CCAAGTACAG	ACCATACTCT	AAAAATTCTT
64751	AATAATAACT	ATTTCACTTT	CTCTTCTTTT	TCTTTTTTGA	ATGAAAAACC
64801	CCAGGATGGT	ACTGGGGAAG	TATGACTGTT	AATGAAGCCA	AAGAGAAATT
64851	AAAAGAGGCT	CCAGAAGGAA	CTTTCCTGAT	TAGAGATAGT	TCGCATTCAG
64901	ACTACCTACT	AACTATATCC	GTAAAGACGT	CAGCTGGACC	GACTAACCTG
64951	CGGATTGAGT	ACCAAGATGG	GAAATTCAGA	TTGGATTCTA	TCATATGTGT
65001	CAAGTCCAAG	CTTAAACAGT	TTGACAGTGT	GGTTCATCTG	ATTGACTACT
65051	ATGTCCAGAT	GTGCAAGGAT	AAACGGACAG	GCCCAGAAGC	CCCACGGAAT
65101	GGGACTGTTC	ACCTGTACCT	GACCAAACCT	CTGTATACAT	CAGCACCCAC
65151	TCTGCAGCAT	TTCTGTGCGAC	TCGCCATTAA	CAAATGTACC	GGTACGATCT
65201	GGGGACTGCC	TTTACCAACA	AGACTAAAAG	ATTACTTGGA	AGAATATAAA
65251	TTCCAGGTAT	AAGTATTTCT	CTCTCTTTTT	CGTTTTTTTT	TAAAAAAA
65301	AAAAACACAT	GCCTCATATA	GACTATCTCC	GAATGCAGCT	ATGTGAAAGA
65351	GAACCCAGAG	GCCCTCCTCT	GGATAACTGC	GCAGAATTCT	CTCTTAAGGA
65401	CAGTTGGGCT	CAGTCTAACT	TAAAGGTGTG	AAGATGTAGC	TAGGTATTTT
65451	AAAGTTCCCC	TTAGGTAGTT	TTAGCTGAAT	GATGCTTTCT	TTCTTATGGC
65501	TGCTCAAGAT	CAAATGGCCC	TTTTAAATGA	AACAAAACAA	AACAAAACAA
65551	AACAAAACAA	AAACAAAATG	TCCCAAGGAA	AGGCAAGAGA	ATATTCCTGT
65601	CAGAACTACT	TGCCTTTGTT	TTTTGGGTTT	CTATGCACTG	GGTCAAAAGT
65651	CCAAGCTCCA	TAGGAGAGAA	AGAAAGGCTT	CCATTTCCAG	GAGGACAGCT
65701	GAAGGAGGGA	AAGACCCTGG	CTGACCCAGG	CTTCAGCTCC	ACTTCTAGAC
65751	GCCTGGGGTT	CAGTCTGTGT	TAGAACCCTGT	TATAGTTTGC	ATCCTGATGT
65801	ATCTAGTAGG	AGTTCCGTTA	AGCTGACCAT	GCTTGTATTT	ATCCCTCGTC
65851	TTATGCAACT	AATCAAATCA	ACCAAAAAAA	GGAAAAAAA	AAAAAAA
65901	GAAACGAAAA	AAGAACCATC	ACCATGAGAT	CCTGTATTTG	TCTTTTTTTA
65951	CTACACGTAT	GACCTCCCC	GTGAGTGAGT	ACTGTAGTCC	TCCATCTCAA
66001	GGCAGCCTTA	CTTCAGACAC	ATTTCAAAC	GGTGCAAAAC	GAAAAGACTT
66051	CTCTCTTTT	TTCTGAGGCT	AAAGACAAGA	ATGTCACGCT	ATACAGGTGC
66101	AACTCAATCC	TTGAAAACAG	AAACCAATGC	AGACAGAGAC	ATTTTACCCC
66151	TTGATGTAGC	TGTGAGTCCC	AACCTAGTGC	CATTGTTTTT	ATTTTTATTT
66201	TTATTTTTTG	AAATGGCTTT	AGAACTTTCC	AAGTTATCCT	TGAATTGTCT
66251	GACCACGGAC	ATCAACAGCT	GCCTCCCTTC	TACCATGTAG	AATCCTATGA
66301	CTTAACCTTT	CTTCCAGATA	TAGAGGGGTA	CCTGCCTGTT	TTTCAAAGTG

66351	TTTATTTACT	GCTGTTACTA	TTTGATTAGA	ATGTATCAAA	TAAAAACAAA
66401	CCTGACTTTT	ACAAGTTGCA	CTCATTACTT	TGAGTTGTAG	GTGTACATTT
66451	CCATGCTAAT	AAAAGGTCGC	CATAAAAACT	CATTATCAAG	TGAAATAAAC
66501	TAAGCAATCA	GCTCAGGGTA	GAACATTAAC	TCGCTTGCCT	CCAAATAAGG
66551	CCCACACCTG	CTCTATGTGT	TTTAGAAAGC	ATGGTTCACA	GGCTAGGAAT
66601	CGTCAAGACA	GCCTGATCAT	GTGCAGGCCG	GATGGGCACA	ATCCTTGTGC
66651	ATTTCAAAAG	CAATGGTTTA	GAAGCGATAA	AAGTTACGTC	AGGGTCTAAA
66701	CTCTAACAAG	TTCCGCAGCC	GCTTTCTCTT	GGCCACCCAG	TCTCACGACT
66751	GCTGTAGCAT	GCCATCTTCT	CTAGAGTCTA	GACACTATGC	CTCTTGCCGC
66801	CCTGTACATG	TTTCCTGGCC	GGGCCGTAGG	TTCTGTGTGT	TCCAGGGTGA
66851	AAGGAGAACC	TGGGGCGTCA	TGTGCACGCT	CTAAGTGAAT	AGGAAATTAT
66901	AAAAGTGCAG	AATAATAGAA	CTGACTTACC	TTGCAGGGTT	TGAAGTCCCC
66951	AGTTTTACAC	CAGGAAGGAA	ACATTAAGTT	TATCCAACCT	GGATGGATTG
67001	CTGGGTGTGG	CTTGGGAAGA	GCCTGCTTCG	CTCTGCTGGG	TGGTGGGGCA
67051	ATACTAGGCT	TCCCGCTAGG	ATACTTAGAT	CTCCCTTTTG	CACACTGATG
67101	ATGATGGTTC	TCTGGTAGAA	CGCTTGGGCT	AGCAAGGGGC	TTTGTGGAAT
67151	CCTTTTCAGG	TCTCCCTGCT	GTTCCTCAGG	TATTGGGAGT	GAGGAGGCAG
67201	TCAGAAGACC	CTGTGCCTGT	GGAGTTATGA	CAAGCTCCCC	AGTGTTGCGT
67251	TCAGCGCCTG	CAGGTGTGTG	TGTATTGGGA	GCCCAGATTC	ACTGCTTGGG
67301	GCTGTGATAT	GGATCACCTT	ATCTAACTCT	AGTCCTGATG	GCAAGGAAGT
67351	TGATAGGCAT	CAGGGGACAG	TTTTGTGTTT	TTTTTGTGTT	CTTGCTTTAT
67401	AGTTTTTAAT	ATATTTACTG	AGTTCCCTGT	GTGCCAGCCT	CTGACTCAAT
67451	ACTTCATAAT	ATCTCATTTG	ATCCTCGGAA	GGACCAAAAG	AGCAAAGTCC
67501	AGGATTTATG	GGAAGTGAAT	AGTTCCACAC	TGATCCAGTT	AACAAGTTAG
67551	AGCAGGCTGT	AATAGCAGTC	TTTTTGCTGC	GGCCTCAACC	AGACTAGTGC
67601	AGATACTGTA	ATTAGTGTTG	CGTCTCTCT	CGCTTTAAAA	ACATTTTCAA
67651	GAAGTGGTTT	CTTGGTGCAT	GTGTGTATGT	GTATGCATGT	GCCATGTCTAT
67701	ATATGTGGGA	GGTGTGGCAC	AGCTTCTCCG	TTCTTGCCCT	TCGCTGCGTG
67751	GGCTCCAGGG	ATTGGACCTC	AGCTTTTACC	GACAAGCACC	CTTACCCATT
67801	GAGACATCTT	GTCAGCCCTC	CAGTCAGTCT	GGCCAATGGC	TTTTTTTTTT
67851	TTGAAGATCC	CTGAAATAAG	TGGTAAAGTG	GGGGTGGGGA	GGGAGTTTGT
67901	CCCCTTCCTG	GGTGACTACT	AAATGATGCC	AGGTATCACT	GACTGTCCCA
67951	TCTAACAACA	GAAACAAAAC	TGGATTCAAC	CAAGGTGTCC	TCAACAGAGG
68001	CTGGAAAATT	TCTCTTTCAC	TGTTGTTTTT	CTATGGGGGG	TGGTGTGAAG
68051	CATTAGTAAG	GACATTTATT	ATTGAGATTG	TAATTGTTGT	TGTTCTGTGT
68101	GCCTGTCCTG	TGCTGTGTCG	CAGGATTGTT	GTATCCACCC	CCGACTTCAG
68151	TGACTGCTAT	GAGTTTCTGT	TCAGAGGACG	CAGAGGTGAA	GGAGCGTATG
68201	TCATCCCATC	TAAAGTTACC	AACACAGATA	ACAGATGTAA	TGACATCTGC
68251	TTTCTTTTTA	GAAACAGGGA	CCCCCAGTTT	GTGTGCGCTT	GGAGGTCTTG
68301	CTTAGTGTTA	TTAGTATGAA	GGTTTTGACT	TCATCGTAAT	TACATCATTC
68351	AAATAGGTGA	CAGAAAGGGA	CTGTTGGTTG	TTCCACACGG	TTTATTTTCT
68401	TGGGAAGCCT	TTCTTTCCCC	TGCTTTTAGA	AAATTGTACC	CTGCTTGGCG
68451	GAGGGTAGGA	GACAGACACG	TCATCAAGTA	ATCCAAGGGA	TGGAATGTCC
68501	CGAGAGCAGA	CTATGCCCTT	CTGGTTGTGG	GTTTGGGCAC	AGGGCAGGAG
68551	GGGGCTGTGG	CTCTAACAGC	TGGGCCGAAG	CCTCACTGGC	TCCCAGAAGT
68601	CCTGTCCATC	TTCTAGACCT	CTACCCAGAA	TGTGGCTCTG	GGCCTGTCTAT
68651	TCCCTCAGAG	GCTCTGCGTT	CTCCTCATCC	AGTTGTTAAC	TCCCTAGAAT
68701	CCTGGAGTCC	GGAACACACT	GTTTGGGTCA	CTCAGCCCAG	GTCTTTTATA
68751	GGAACCAGAA	CATTTTCAGAT	TCAGGGACTA	GAAATCTAGT	CAGCAAATGG
68801	GCAACATACA	AACCCAGAGC	TTAGGTCCGG	TGGAAGCTCC	ACCTTCTGCT
68851	CCTCCCTTCA	AACCGCCTGT	GCCCTTCTTT	GCTGCAGTTA	CTGTAACCTA
68901	AAACTTGCTT	CCTCTGACAT	GCAAAATCAG	GTTTTGGGAT	GTCACCACAG
68951	CAGGATACTT	TCAATTCTTA	GCTCCTGCCC	CACTCTCCAG	GATTACCCCT
69001	TTTGTGCTGA	TCCACTGTAT	AATGAGATAT	GTATTAATTT	GAATTCCTTA
69051	GTTCTTTTTT	TAATCATTTT	GGAGATTGAA	CGTAGGTCTT	TCCCCACGCT
69101	TGGCAAGCAT	CCTACCGTTG	AGCCACATCT	CCAGTCCATG	TCAATGCTCTC
69151	TCTAATCTGT	TTGCTGTTTG	AAAGCCGAAG	TCCTCCGGTC	CTTGCTGTGT
69201	GGTGATCTCA	TGACACGTCT	GCCAGATGTC	ACCCACACAT	GGCCAGGGTG
69251	CCCAGCTGAC	TCTACTCTCC	TGTGTTTGCT	TACCAGTAGA	GTCTGTTTTG
69301	GCTTTTGCCT	CCTCTTACAT	GCAGGTAGCT	CCTGCCTTAC	TCTCTCCTGC
69351	TCTTCCACG	ATGCTGTCTT	TTTAGATGGT	CGATTAGAGA	AGTCCTGGGT
69401	GGCTGTATGA	TGGGCCAGCG	AAGGATGGGA	ATTCAAGTCT	ACTTGAATTA

69451	GGTAAACTGA	CAGATTTAGG	GTCCTTAGGA	TTAAGTCTGT	GTCTGTTTCT
69501	CTTTAGTTCT	CTTCAGGATT	TAAAAACCAA	AGCCAGTTCC	TAACACCACA
69551	TTTCAACACT	TTAAAAAATA	AAAAAATA	AAAAC'TTGT	TATTTAAACA
69601	ACCGTAGGCT	CCTTACTTGC	TAGTTTATGC	TCTATTGGGA	AGGAAGAAAG
69651	ACAGCCCTTC	TTTAGCTTGT	TTGTTGCTGA	GGGCAATCCT	TGCACCTTCG
69701	GTTTGGTCTT	CTCATTCTCT	TCTGCTGCCC	TGGAAGATTT	TCTCCAGTTT
69751	TCCCTCTATG	TGGTTTCAGA	GTAAGTCACC	TTACCTCGCA	CTCAGCTTAA
69801	GGGACAGCTG	TTGTTGGAGT	CAGCCTCTAA	AAGCCCCGTT	TGTCCTCAAT
69851	GCCTGACTAG	CGGGTCAGCT	GAAGCAGTCA	TTGTGGTCTT	CCTACCCACC
69901	CTGTCCCTCAG	CTCTGTCCAC	AAGGGAGGTC	TGAGCTGCCA	AGTCTGACGG
69951	GGGACTCACT	TCCATAAACA	TTTACTGAGC	CATAAAATA	AAACTGCTTT
70001	TATAGACAAC	TCTCACTTTG	AACTCCATTC	TTCACCTTGA	GAAGAAGCGG
70051	CTGCCCCCTCG	AGCAGGAGCA	GTTTGTGACG	GGTTATACAG	CCCGTCTGTG
70101	GCCTCATCTC	AGTGAGGAAC	AGAGGGAAGG	GAGACTCAAG	CCAGAGAGAG
70151	CCTTGGTGCG	AGCTAAGAAA	ATAACACCAG	CTGCCTTCCT	CTTCTGTTTC
70201	AGCCTAAGTT	CCTTCCAGAG	AGCCCCCTCG	CTGCGGCGAA	ATAAGACACA
70251	TTTGCTAGTT	AAATCATCAC	AGGACTTCAT	ATATTTTTCC	TAGACTGTCC
70301	CAGTTTCCAG	TCATGTTAAG	ATAAAAAGAT	AGCCTTTTTG	CCAAATGGTT
70351	TTTCCCTTCT	GTTCTTTGGG	CAGCCCTTTT	CCTGTTTCTA	TTTGTATCTT
70401	GTGTGTCTAT	GATCTTTCTT	AGTCTTTCTA	GAAAACCTTC	CCCATGTTGT
70451	TTTCTGCCCA	GGGAAGTTGT	TTTCCCACTT	TGACTTTCGT	CACCCAGATG
70501	AACTGATGAA	CTGCGTTCCC	TTAGGTAGTA	GACGGAATCG	TGGGTTTGGT
70551	CAGAAAGTAA	GTGTGTTCTT	GTTTTGTGTA	TTTTATTTAC	CTACCTGTTT
70601	TCCATTATGT	GGTGATAAAG	GGCGGAGAGA	GTGCCTGCTG	TCAGACAAAC
70651	CCTCTGCTTC	CTCTCCGTTT	ATTCTCACTG	GAACCACTGT	CAGAAAAATG
70701	GCTTCATGTC	ATTATTTATTT	AAGTATATTG	AAGGCAGTAA	TAGGGTTGGG
70751	CAAAGAAAAA	GGGGTGAAGC	CTCAGTGGTG	TGATGAGGGG	CTCTTCCGAG
70801	TCTCTCATTA	GGTACCCAGG	GCTCTCAAGA	CTATGACCAG	TTTATTTCTA
70851	TCACCTGTG	TACCAATCCT	TGCTCTTGAG	CTGGGGTAGG	ATTGAACAGC
70901	TTTAGCGGAA	AAAAAAATTC	TTCTTCTAAG	ACAGGGCCTT	AGGTATCCTA
70951	GACTCGAATT	GGAACCTCGAT	GTAGAGCTAA	GGGTATCCTT	GAACCTCTGA
71001	CCCTCCTGCC	TCCGTCCTTT	AGCTGCTGGG	ATTACAGGTA	TGTGCCTGCC
71051	TGTATCAAGC	CTGTTAATGC	AGTGAAGCCA	GGGCTTCCTG	GGCTCCAGGC
71101	AAGTTCTTGA	CCAAGTGAGC	TACTTTCCCG	GAAACTGGCA	ATCATTTGCT
71151	TCAAAATTGT	GTTCCCTCTT	TATATTGGGG	AGTGTATCCT	TTTCTGGTGT
71201	GACCGGGGCG	TTTCTGATTC	AGCATCTTTT	TCTCATCCGT	TACAGTGTTA
71251	TCTGTAGAGT	TTAGAGTTGC	AGAGAATGGA	TATCCTTCAA	GTCTTTATTT
71301	TTTTTTAATG	ATATATTTTA	TGTATGTGTG	CATGTAATGT	GTATGTACAC
71351	ACACACACAC	ACACACACAC	ACACACACAC	ACACACACAT	TCATGTAGAT
71401	ACCCAGAAAA	GACCAGAAGA	AGATGTCAGA	TTATGGTTCT	GAGCTGCTAT
71451	GTGGGAGTTG	GGAATTGAAT	TCCGGTCCCT	TGGAAGAGCA	GTAAATGCTC
71501	CTGGTGTGAG	AGCCATCTCT	CCTGTCCCCA	TCCACAAAGT	CTTGGGACCA
71551	AGGCCTAATA	AATCAAGGTG	TTAACCTTCT	ATTTATATTC	ATTTGGTACC
71601	TGTTATATTA	TTCATTAGGA	ACTCAGGGAA	GAGTCACACT	CTCACATTAT
71651	AGAGGCCCTC	TTACCTTATG	GGAAGAGATA	GAGAAGACAG	GATTCATATT
71701	TATTCATATG	TCTGGTCTGT	CTCATGCCCC	ATTGGTTAAT	CTCCACAACA
71751	GCCAGGAGCA	TTACAGACTC	CTTTTATTGA	AAATAAAACA	GATGCTTGAA
71801	GATGGAAACT	GTAGCGCCCA	GCAATACTGC	CCTACGACTA	GGAGCTGTGA
71851	CCTGTATGGA	GACTATGGAA	CACAACGCAG	GGTTATAGCT	ATGAGTGACA
71901	CCATGCTCTC	CTCTCCTCTT	AGTCTGATAA	AGCATTCCTT	ACATGAGAGA
71951	ACTGGCTTAG	GCTTGTGCTG	TGTACTGTCC	TTCTGGACTC	CCTGGGTGGT
72001	AGGACTTAGA	GGTGAAGAGT	GAGAGATGTG	TGGCGGGCAG	GCAGGAAGCA
72051	GGTGCCTGGG	AGAGGAGTGG	AGAGGCAGAC	AAGATGTTCA	AGTTTGTAC
72101	CGGGCTCAGA	TTTGTCCCAG	ATTTGTTCCA	GATTAATTTG	GAGCTCTGGG
72151	TCTGGAAGCT	TTCTGTTTGA	TACCAGCTTC	CACCTGAGCC	GAGCTGAGCC
72201	AACTCTGCCT	TTTCAGGAAA	GCAGGGAGCA	GTGGCACAGT	GGGTGCCATT
72251	CTGAACTGGG	AATGGGAAGA	GACTATTTCT	AGTTGCTTTG	TCTTGGACCA
72301	AACGCCGAGC	TTCTTAGAGG	CTCAGATACT	ACATGTGTAG	AATGTAGAGC
72351	TTGCAGTACT	GATGTCTACA	GTCAGTCTCT	TTCAGGAAGT	TACCCTCACC
72401	TATGAGCACA	TCAGGATGGG	AGGAGACAGA	GGGGCAAAT	CTATATTTTG
72451	TTGGGTGGTC	TCAGATTGAC	TTAAGTTTTA	GCATAGATTT	TTGCCTCTAT
72501	GCTATCATAG	GCTCTGGCTT	ATTTGGGGAA	AGAGATTCTC	TCTACCCTAA

72551	ATTGTTTTTT	CCCTTTTCAC	AGTCAGAGTC	AGTAGACTGT	TTTTAGTATG
72601	GTAAGAGGAA	TTTTATGTTG	TTTTCTGAGC	CATGAATCTT	TGGAGCCCTG
72651	GCCTGTATTC	AGAGTATAGA	CTTGGGCTTT	TAGATCCTGG	CTGTGATGGA
72701	GGAGGCTCTG	ATGCTGGGAA	CCGAAGTGTG	GCCCCGGTCC	TCTGCAAAAG
72751	AGCAGCAAGT	GCTCTTAGTC	ACCGAGCCAT	CTCTCCAGCC	CCTAACCATC
72801	TTTTGTATTT	GGTGGTCTAC	TCCCTGGCTC	CATCAACTGA	TACTTTGTTT
72851	CTGGCCTCCT	TCCCAGCTGG	GACTATAGGT	ATACACCATC	CTATACCACT
72901	GATACTTTGT	TTCTGGCCTC	CTGCCCAGCA	GAAACTATAG	GTATACACCC
72951	TCCTGTACCA	CTGATACTTT	GTTTCTGGCC	TCCTGCCCAG	CTGGGACTAT
73001	AGGTATACAC	CATCCTGTAC	CGTTCCTCCT	GGATCTGTCT	TAAAGCAGGG
73051	GTGCCCACCT	CTGCTCTTGA	CACCCACAAT	GGTTTTGGTG	CCCTTTGTTG
73101	CCAGCAAGAG	AGAATCAGGT	TGAAATTTAC	TTGCTAATCT	GATAGAGATG
73151	ACAGCTGGTA	GAGCCTTCGA	TGCTGTTTTT	TCACAGAGTA	AGTTCTTGCT
73201	TTGCAACTTG	ATGCAATGG	AAGTTAGTCA	CCAGGAGTTG	TAAGCTTGGC
73251	TTTCTCTGGA	AGCTCACCTT	ATCTCCTTTC	TTTCTAACTC	ATCCACTCTA
73301	AGGGTGTCTG	TTAAGCCAGC	AGAAAATAGA	CTGATACAGC	AATCAGGGAG
73351	AGAATAGAGG	AATGCAGGCA	TCAGATCACT	TAGCCTGGCA	TAGTTTAAAG
73401	CTCCTGGTTG	AAGTCATGTT	GGGCAGGTTG	GAGAATTCAT	CATGTTCAAA
73451	GAGTGGGAAT	AAGGCAGCAG	CGATTCCAAA	ACAGACCAAC	TCTTCAGTTC
73501	CCAAAGGAAA	TTAATCCTGT	CTTTCTACAG	TGTGAATAAT	TCAACACAAA
73551	TAAATTATAT	ACTCACTCAC	GTTTCAGGGAT	TACTCCTTTA	CCTAAGCCAC
73601	CATTCTAGCA	TTACCTCCCT	CCCTCTTTCT	TTCTTCCCTCC	CTCCCTCCCT
73651	CCCTCCATCT	TTCTCCCTCC	CTCCCTCCCT	CCCTCCTTCC	CTCCCTCCTC
73701	TCTCTCTCTC	TCTCTCTCTC	TCTCTCTCTC	TCTCTCTCTC	TTCTTCCAA
73751	GTTTTCTTTC	TTTTTTTAGA	TATGAGTTTC	ATGTGGCACA	GGCTAACCTT
73801	GAAGTATGTA	GCTGAGGCTG	GTCTTGAAC	CGTGATCTTT	CTGTTTTTAA
73851	TTTCCTAAGC	ACTGGGATTA	TAGGCATCCT	TCACCATGCC	CACTTTTTTT
73901	TTTTTTTTTAA	ATCAGTTTTT	AACCAACATG	AGCCTTTTTA	GCTACATTTT
73951	AACACATG	GCTTTTTTTG	TTTTAAATGA	TAAATTGATA	GCTAATCACT
74001	GATTTTTTAAA	TTGCTTTTTGT	GAGGACTATA	TTCTAATTTT	CAACAACCTGA
74051	GTCTTACACT	GTCTTTTTCT	ACAGAAGGCA	GCTGTGTATC	CAGAATAACA
74101	AGCTGTGTCT	CAACAGTGAG	CCTCTACTGA	ATTTTTTAAAT	TGCTATGTCT
74151	GACAAACTAG	GACATGGAAA	TGTACTTACT	TTAAAGCAGA	ATTTCAGGTTT
74201	TCTTTAGTGC	TACATCTCAG	GTTTTCTATA	CTAACCTGTA	TTGAAAAATTT
74251	CCACATTGTT	GATATTCTCC	CTCTTCGTAT	TTATCTCTCT	CACCTTGCTTA
74301	TTTAGTTAGA	TATTTTATCC	ATCTGCTTAT	TCACACGTCA	GCCCCACAATA
74351	TTTATTAAAC	ATCTACTTAG	ATCATGCATA	AAACAGGGTC	GTAGGAAAGT
74401	TGAAAGAACA	CTCTCTGTCC	TTAAGCAATC	ACATTCCAAA	TTACAGGATA
74451	GGTCCTGTTG	ACATCTTTGA	GGGATGAGTT	GGGAGACGCC	AGGGCAATGG
74501	TTCTCAACTT	TCCTGTGACA	CTTTAATACA	GTTCTTCATG	TTGTGGCAAC
74551	TCCCAATCAT	AAAATTATTT	AGTTACTACT	ACTGTAATTT	TGCTATTGTT
74601	ACAAATTGTA	ATGTAAACAT	CTCTTTTTTT	TTTTGATGGT	CTTAGGTGAT
74651	TCCGTGGGAA	GGATGTGTTG	ACCCCCACCC	CCACCATGGG	GTCAATCCCC
74701	ACAGTTGAGA	ACCTCGCTCT	AAGGGATGCT	TAAAGTCAAG	GATGGTATAT
74751	ACTGTGTCTC	ATACACACAG	ACACACACAG	ACACACACAG	ACACACACAG
74801	ACACACACAG	ACACACACAC	ACACACACAG	ACACACACAC	ACACACACAC
74851	ACACACACAC	CTCTATAGGA	AGGCTTCACT	TATAAGTAGA	CACAGATAAG
74901	TAACAAGGCA	AAGAATAACA	TAGAATTCAT	TATGCTATCT	TCAGATATTG
74951	GAGTTCACCT	CCTGACATTT	TCAGACCACA	GTCGATCGTA	GACCAATGAA
75001	ACTGAGGGAT	ACGAAGCCTG	GGCCAATGGG	AGTGCTGGAT	AATGCCTCTA
75051	AATCTGTAGG	TGTTAACCCA	TGCAGTCAGG	CAACATAAGT	AAAAGATATT
75101	TTTAGAAGGC	TGTGATGTTT	TGACCACACA	CAGGTAGTCT	CCCTCATTCG
75151	CTCCCAGTCA	GTGTAACAGG	TGTTTGGTAT	AAACGTCGTT	TTAGTTACTT
75201	ATCGATACTC	AAATCACCCC	CCCCCCCCCG	GGCGCGCATG	CGCATGCGCA
75251	AGCTCAGCCT	GGTATTTTAA	TATGGCCTTA	AACAGGTGCA	AGGGTCTGGG
75301	GCCACTCTCA	AATTTCCACA	TGGGCTAACG	CCCTCCCCCG	ATACCTCTGA
75351	ATTATTACTT	ACTAAAATCT	AAATTCATC	TTGCTACCTT	AGACCCAAAT
75401	GAGGGACCCT	GGGTCCGCTC	TTCCCGGTTT	TTTCGGGCGT	ATGCTCCGCT
75451	TCTCCAGCTC	TCAGGCCTGA	TTTTTCTGTT	TCCCTGGCAA	AGGATTCTAA
75501	ATCTGTCTCT	TTCCCTGGGT	TCCCTTGCCC	ATGAAATCTA	AAGTCCCACC
75551	TCCGTCTCCT	GCCTAGCCAT	TAGCCACCTG	CAACTTTATT	TTCCAATTAG
75601	AGCCAACGGG	GGCAGGGACC	CGAGGCATCT	TCATCTTACA	TGTAGTCGTG